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# Jackill's STARFLEET REFERENCE MANUAL

## Ships of the Fleet Volume I



Written and Illustrated by  
Eric Kristiansen



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First printing September 1992, 2006

10 9 8 7 6 5 4 3

Printed in United States of America



[www.JackIII.com](http://www.JackIII.com)



# Dedication

To my wife Diane

Without who's encouragement this book would not have been reprinted

## Intro Info

Welcome reader to the first edition of Jackill's Star Fleet Reference Manuals. The descriptions of these futuristic vessels are a critique of their abilities and are related in contemporary terms as accurately as possible. The technology described here can be compared to existing technologies in other books, on television and in the movies. Hopefully, the information herein will provide a base of knowledge allowing one to understand the advancements required to achieve this level of technology. The book is presented in a futuristic format for reading enjoyment and should not be confused with any material from that time period.

The information contained in this manual is as accurate as allowed due to Star Fleet's ongoing program of misinformation intended to confound and confuse the intelligence efforts of potentially threatening forces. For high-level accuracy, consult Star Fleet archives.

Although not all statistics are given, all descriptions, drawings and statistics are intended to familiarize the reader with these vessels. Numerical statistics, such as weight and length, are given with the highest degree of accuracy available at the time of publication.

Read on fellow traveler, I hope that the information provided will increase your understanding of Life, the Universe and Everything.

*Jackill*

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# INTRODUCTION

GENERAL INFORMATION

GENERAL INFORMATION

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Chapter  
Section  
Ship  
Ship Detail



# INTRODUCTION

## Statistics

**INT** is an overview of what some of the statistical information you will run across in this reference manual mean.



**Acceleration Power:** Is the value that a warp number is raised to to determine its speed as a multiple of light.

**Acceleration Rate:** Lists the various times it takes to accelerate the vessel through sublight speeds.

**Acceleration Time:** Lists the time it takes to accelerate from one warp value to the next. It should be noted that although an acceleration time may be given, the craft may not be designed to reach that speed without disintegration.

**Beds:** Lists the number of beds in the medical facility.

**Bottom Profile:** This profile is used for familiarization of the bottom view of the vessel.

**Breathdown Rate:** Is the amount of power in units that will eventually break down the shields if applied constantly.

**Bridge:** Lists the number of detention cells.

**Cargo Specifications:** Lists the number of standard cargo units and the cargo capacity of all the containers.

**Category:** Lists the general classification of the ship such as freight, destroyer, freighter, etc.

**Class Emblem:** Each ship class is given a distinct logo design to represent the entire class.

**Classification:** Lists the exact designation of the craft, such as assault freighter or attack freighter.

**Class:** Is the name assigned to distinct vessel designs to distinguish one design from another. An example being one heavy cruiser from another heavy cruiser design.

**Chasing Device:** Lists if the vessel is equipped with a chasing shield.

**Computers:** Lists the number and type of computers onboard.

**Cross Section:** This cut away view is used for general familiarization of the interior arrangements of the vessel.

**Cross Section Area:** Lists the optimum cross section area that the warp field has for each profile.

**Disruptive Speed:** Is the speed at which the vessel will start to tear apart due to excessive stress.

**Disruptions:** Listed in meters for various parts of the ship from the primary hull to the propulsion systems.

**Dockside:** Lists the number of medical doctors that are normally onboard.

**Dry Dock Area Usage:** Gives the usable construction area inside the dry dock for its standard configuration.

**Dry Dock Profile:** Gives top, port and front views of the dry dock with an Enterprise Class Heavy Cruiser used to give a reference of the facility's size.

**Duration:** Is given for both standard years between upgrades and maximum maximum years until the craft must be rebuilt/rebuilt.

**ECM Index:** Is given as general guide to the craft's ability to evade detection. The index norm is based on the Heavy Cruiser.

**Emergency Conditions:** Is the additional number of people that the craft can carry in an emergency.

**Emergency Speed:** Lists the fastest that the craft can travel for very short periods of time. The longer the craft travels at this speed the more the engines and hull are damaged.

**Field Height:** Is the optimum warp field height listed in meters.

**Field Length:** Is the optimum warp field length listed in meters.

**Field Width:** Is the optimum warp field width listed in meters.

**Front Profile:** This profile is used for familiarization of the front view of the vessel.

**General Information:** Is used to deliver additional information about the vessel.

**Holdoff Power:** Is given in watts and determines the power level that will breach the shields.

**Hz (Hertz):** Cycle per second.

**Impulse Engine Output:** Lists the engine output in watts.

**Impulse Power Index:** Is given as general guide to the vessel's overall impulse power. The index norm is based on the Heavy Cruiser.

**Impulse Unit:** Lists the impulse engine model number.

**Laboratories:** Lists the number of individual laboratories.

**Max. Cruising:** Lists the maximum speed that the impulse drive can propel the vessel.

**Maximum Speed:** Lists the fastest the vessel can travel before complete engine destruction.

**Min. Safe Cruising:** Lists the warp that the vessel can travel without substantial decrease in handling and safety. This speed is the fastest that the craft can travel without damaging the engines.

**Medical Facilities:** List the statistics of the medical facility.

**Model:** Is a term that is distinct to each vessel category for each type/class.

**Naval Construction Constant:** Lists the number series assigned to that particular vessel series for construction and vessel registration.

**Number Constructed:** Lists how many vessels have been built.

**Number in Service:** Lists how many vessels are on active duty.

**Number Lost:** Lists how many vessels have been destroyed or decommissioned for various reasons.

**Number Proposed:** Lists the number of vessels that are to be built.

**Number:** Lists the number of numbers that are normally aboard.

**Operating Rooms:** Lists the number of fully equipped operating rooms.

**Optimum Speed:** Lists the warp that the vessel travels with the best fuel-distance ratio with minimal wear to the engines.

**Output:** Listed in watts for each shot for both burst and continuous fire, if available.

**Passengers:** Lists the number of passengers that the craft may carry.

**Port Profile:** This profile is used for familiarization of the port view of the vessel.

**Plasma Power Index:** Is given as general guide to the vessel's plasma power. The index norm is based on the Heavy Cruiser.

**Photon Power Index:** Is given as general guide to the vessel's

photon torpedo power. The index norm is based on the Heavy Cruiser.

**Primary Reactor Output:** List the output of the primary power source in watts.

**Range:** Is the weapon's effective range.

**Rate of Fire:** Lists the number of shots per minute that the weapon is able to fire.

**Rear Profile:** This profile is used for familiarization of the rear view of the vessel.

**Recharge:** Lists the time it takes to recharge the shields and replenish themselves.

**Replenishment:** Lists the vessel's ability to create materials and equipment.

**Secondary Reactor Output:** List the output of the secondary power source in watts.

**Shield Index:** Is a general guide to the vessel's armor abilities. The index norm is based on the Heavy Cruiser.

**Shield Dimensions:** (Used in Enterprise) the normal operating dimensions of the shields.

**Shield Index:** Is given as general guide to the vessel's shield power. The index norm is based on the Heavy Cruiser.

**Shielding:** Lists the specification of the shields.

**Ship Name:** Given in alphabetical listing along with the vessel's construction number.

**Ship Name:** Given in alphabetical listing along with the vessel's construction number.

**Shuttlecraft:** Lists the number of shuttlecraft and their general specifications for each category of shuttlecraft type.

**Small Bay:** Landing area dimensions of 20-800 sq.m with a normal deck height of 2.4-6 meters. Vehicle storage area dimensions of 20-800 sq.m with a normal deck height of 2.4 meters.

**Medium Bay:** Landing area dimensions of 800-2000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 800-2000 sq.m with a normal deck height of 2.4 meters.

**Large Bay:** Landing area dimensions of 2000-10000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 2000-10000 sq.m with a normal deck height of 2.4-3.2 meters.

**Super Bay:** Landing area dimensions of 10000+ sq.m with a normal deck height of 6-12 meters. Vehicle storage area dimensions of 10000+ sq.m with a normal deck height of 2.4-4.8 meters.

**Shuttlecraft Specifications:** Lists the number of docking ports, shuttlecraft bays, number and type of shuttlecraft and heliports.

**Shuttlecraft:** Is given for both navigation and show the vessel's area from various profiles. The smaller the area, the harder the ship is to target from that profile. The area values do not take into consideration the vessel's electronic countermeasures.

**Size Comparison:** Given part views for a comparison of the vessel's size in relation to other vessels.

**Speed vs. Time:** Is a graph that shows warp speed vs. time.

**SD. Ship Complement:** Is the standard number of crew members for the vessel. The listing is broken up into Officers, Crew and Troops.

**Shells:** Is given if the weapon has a finite supply of shots.

**Telemetry:** Lists the number of communication channels available for transmission of data and the power output of those transmissions listed in watts.

**Top Profile:** This profile is used for familiarization of the top view of the vessel.

**Total Target Area:** Is created by adding the top, port and front areas to give a generalization of the vessel's overall target area.

**Tractor Beam Specifications:** Uses a tractor beam load calculator to calculate range vs. torque at each warp speed (See Tractor Beam on page S884) 05-01-01-01 for information on how to use).

**Tractor Beams:** Is given for both the max. range and low capacity.

**Transports:** Lists the total number and type of units.

**Type:** Is a general term used to categorize the craft's abilities.

**Class 1:** Is used for starships that are designed with flexibility in their operating parameters.

**Class 2:** Is used for support ships that are designed for a specific mission and don't have much flexibility in their design.

**Class 3:** Is used for space station and habitable space facilities. The general rule is that the complex has recreational facilities and permanent residences.

**Class 4:** Is used for space facilities such as dry docks and refineries, generally not used as habitable environments.

**Class 5:** Is used for shuttlecraft and small support vessels.

**Class 6:** Is used for automated craft and facilities with little or no habitable environment provided for in the design.

**Class 7:** Is used to designate non-powered, space-going vessels such as cargo containers.

**Class 8:** Is used to designate items such as impuders, probes and buoys.

**Weapon Power Index:** Is given as general guide to the craft's overall weapon power. The index norm is based on the Heavy Cruiser.

**Warp Engine Output:** Lists the intermix chamber output in watts.

**Warp Field:** Shows the field curvature around the vessel at optimum field configuration. The more slender the lateral field the less energy needed to propel the craft through space.

**Warp Power Index:** Is given as general guide to the craft's overall warp power. The index norm is based on the Heavy Cruiser.

**Warp Speed/Power Graph:** Is a two-sided graph used to show the power consumption based on the speed of the vessel.

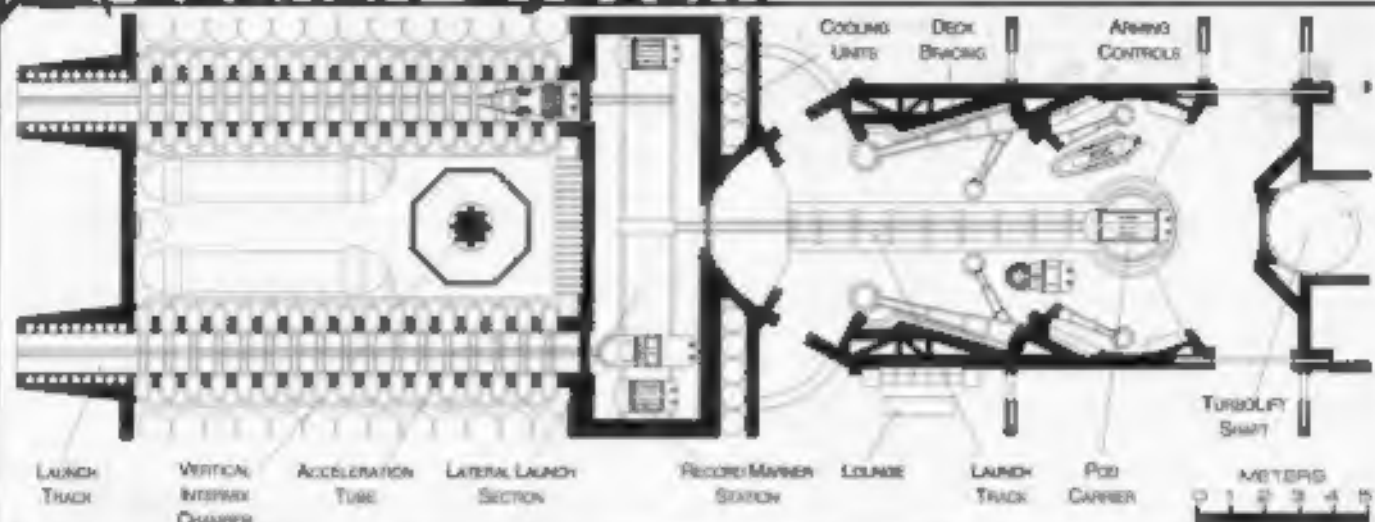
**Warp Unit:** Lists the warpdrive model number.

**Weapons (Type):** Gives the number of barrels/bays and how many phases/tubes per barrel/bay. (A weapon location is given for the position of each weapon firing and can be used as a general guide of the weapon's angle of attack).



# TORPEDOES/PROBES

## Launch System



## Size Comparison Probes

**Class I**  
Sensor Probe



**Class II**  
Sensor Probe



**Class III**  
Planetary Probe



**Class IV**  
Stellar Encounter Probe



**Class V**  
Reconnaissance Probe



**Class VI**  
Communication Relay / Emergency Beacon



**Class VII**  
Remote Culture Study Probe



**Class VIII**  
Medium Range Multiradius Warp Probe



**Class IX**  
Long Range Multiradius Warp Probe

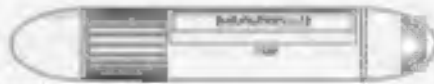


## Torpedoes

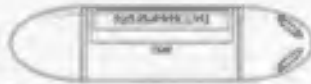
**Mark I**  
Record Marker



**Mark II**  
Surveillance Torpedo



**Mark III**  
Space Mine



**Mark IV**  
ECM Torpedo



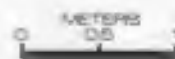
**Mark V**  
Sensor Torpedo



**Mark VI**  
Photon Torpedo



**Mark VII**  
Vessel Simulator Torpedo



## TORPEDO



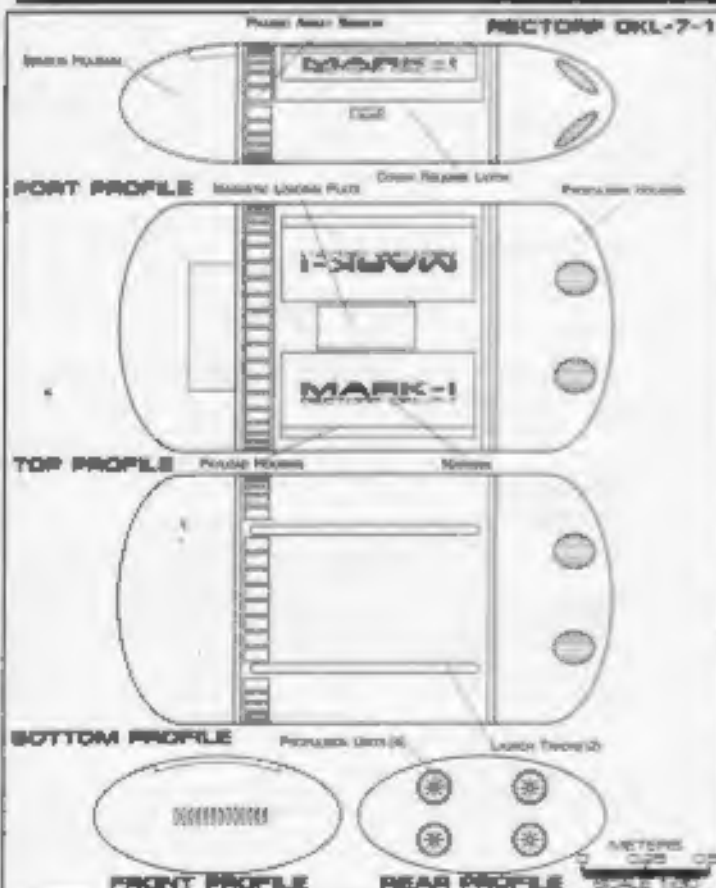
## Torpedoes

All torpedoes are based on the same basic components. The front section contains the torpedo's sensors, the center section contains the payload and the rear section contains the micro-warp units used for propulsion. All torpedoes, in addition to carrying out specific missions, can act as low yield anti-matter torpedoes by detonating the remaining anti-matter used to drive the micro warp units. The torpedoes are launched from torpedo launch tubes that are standard on most Federation vessels.

## Torpedo Emblem



For additional detail refer to Datasheet MVE-1



## Mark I Record Marker Torpedo

**General Information:** The Record Marker Torpedo is the proverbial jettisonable black box of starships. When a vessel gets into a fatal situation, a record marker is jettisoned with all up to date records for an accurate account of events. A record marker is kept primed at all times to be jettisoned in the event that the vessel is unexpectedly destroyed. The marker can automatically transmit a distress beacon or lay in silence in enemy territory until a Federation craft transmits an activation signal. If an unauthorized attempt is made to access the marker's encrypted data it will self-destruct. Extra thick hull and advanced shielding allow the marker to survive in most instances even when the vessel has been completely destroyed.

**Classification:** Record Marker Torpedo

**Class:** MARK I

**Dimensions:**

**Overall Dimensions (Blended)**

Length: 1.95 m

Width: 0.98 m

Height: 0.47 m

**Deployment (Blended) Test**

Standard: 58.7 kg

**Performance:**

Warp Drive: 4 Micro Warp Units (0.0-5)

Cruising Speed: Warp 3

Max. Speed: Warp 6.77 Burst

Range:  $1.2 \times 10^8$  km

Duration: Years in Reverse Mode

**Tonnage:**

Chassis: 4,952

Output: 80 MW

**Beacons:**

Standard Postage

Additional Features:

Fedro Second Data Collection

Multi-Frequency Beacon



## Mark II Surveillance Torpedo

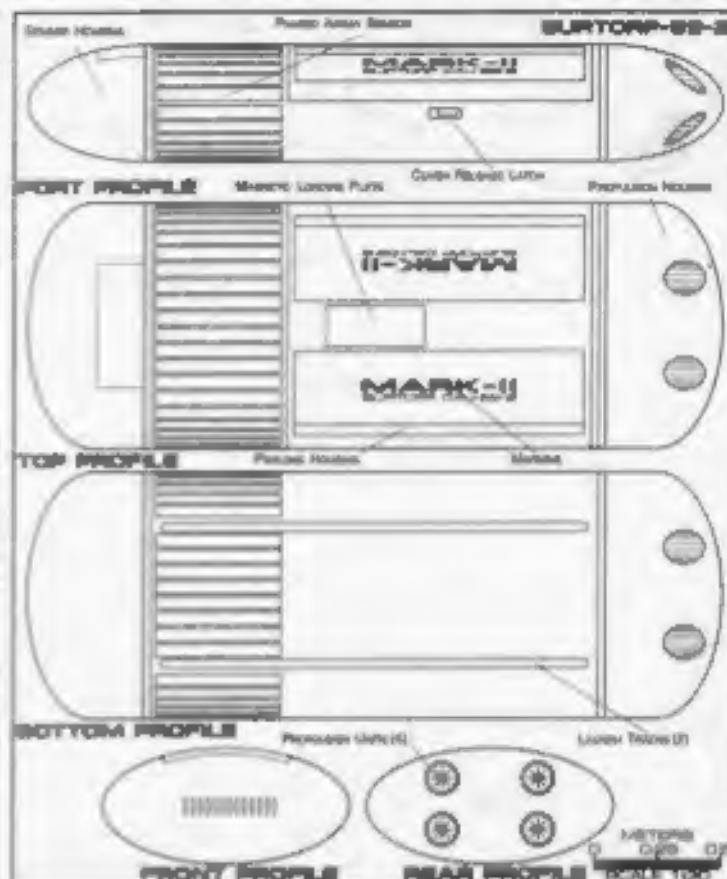
**General Information:** The Surveillance Torpedo is used when military surveillance is required. The pod is generally seeded in a target area or covertly placed in orbit around a planetary body. Located around the main housing are 44 phased array sensors. If required the pod can be used to attack the surveyed target.

**Classification:** Surveillance Torpedo  
**Class:** MARK II

**Dimensions:**  
**Overall Dimensions (Meters)**  
Length: 2.75 m  
Width: 0.88 m  
Height: 0.47 m  
**Displacement (Metric Tons)**  
Standard: 142.5 kg

**Performance:**  
Warp Units: 4 Micro Warp Units (LQ-3)  
Cruising Speed: Warp 3  
Max. Speed: Warp 5.77 Burst  
Range:  $1.2 \times 10^5$  km  
Duration: Years in Reserve Mode

**Telemetry:**  
Channels: 4,882  
Output: 80 MW  
**Sensors:**  
Standard Package  
Additional Features:  
Pseudo Second Data Collection  
Multi-Frequency Sonar  
Phased Array Sensor



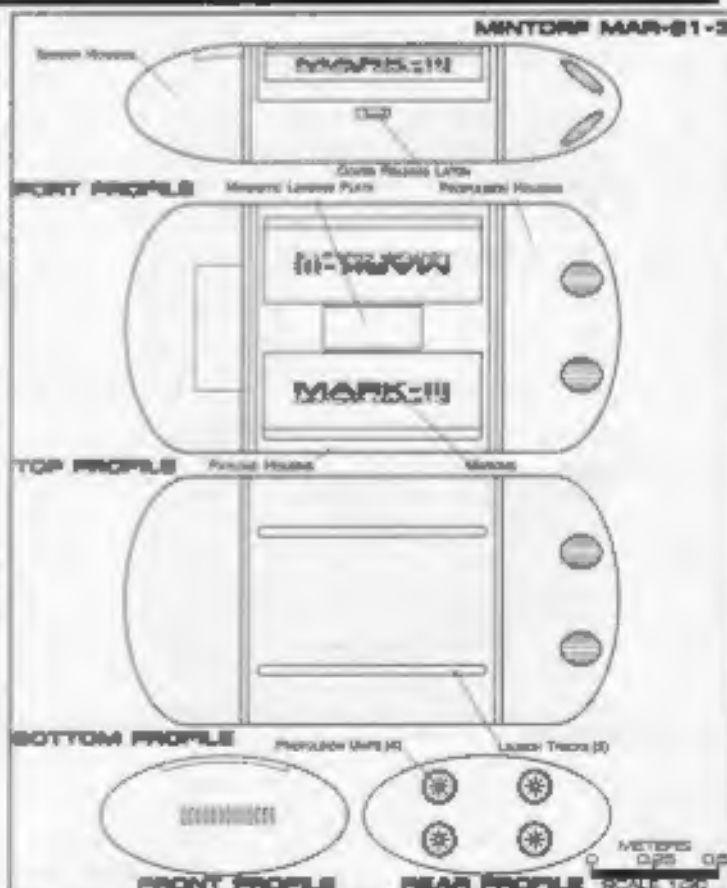
## Mark III Space Mine

**General Information:** The Space Mine is a small anti-matter charged Photon Torpedo that can lay in waiting until an enemy craft enters its zone of protection. The mine can either be programmed to intercept an enemy craft or to follow enemy craft in an attempt to destroy additional enemy vessels that the craft may approach. The mine is equipped with sophisticated ship recognition software that allows the pod to evaluate each vessel that moves into its target area.

**Classification:** Space Mine  
**Class:** MARK III  
**Dimensions:**  
**Overall Dimensions (Meters)**  
Length: 1.95 m  
Width: 0.88 m  
Height: 0.47 m  
**Displacement (Metric Tons)**  
Standard: 110.2 kg

**Performance:**  
Warp Units: 4 Micro Warp Units (LQ-3)  
Cruising Speed: Warp 3  
Max. Speed: Warp 5.0 Burst  
Range:  $1.2 \times 10^5$  km  
Duration: Years in Reserve Mode

**Telemetry:**  
Channels: 200  
Output: 12 MW  
**Sensors:**  
Standard Package  
Additional Features:  
Ship Analysis Software  
Variable Payload 10-20 Megatons





## TORPEDO



## Mark IV ECM Torpedo

**General Information:** Electronic Counter-Measures Torpedoes are used to jam and mislead enemy sensors. ECM torpedoes can be used alone or in multiples allowing a vessel to saturate an area reducing the effectiveness of enemy sensors. The torpedo can also simulate a wide variety of naturally occurring background radiation to subtle obscure enemy sensors.

**Classification:** ECM Torpedo

**Class:** MARK IV

**Dimensions:**

**Overall Dimensions (Meters)**

Length: 2.75 m

Width: 0.56 m

Height: 0.47 m

**Displacement (Glide Pod)**

Standard: 132.2 kg

**Performance:**

**Warp Drive:** 4 Micro Warp Units (0.5-3)

**Cruising Speed:** Warp 3

**Max. Speed:** Warp 9.77 Burst

**Range:** 1.2x10<sup>8</sup> km

**Duration:** Years in Reserve Mode

**Telemetry:**

**Channels:** 4.852

**Output:** 80 MW

**Sensors:**

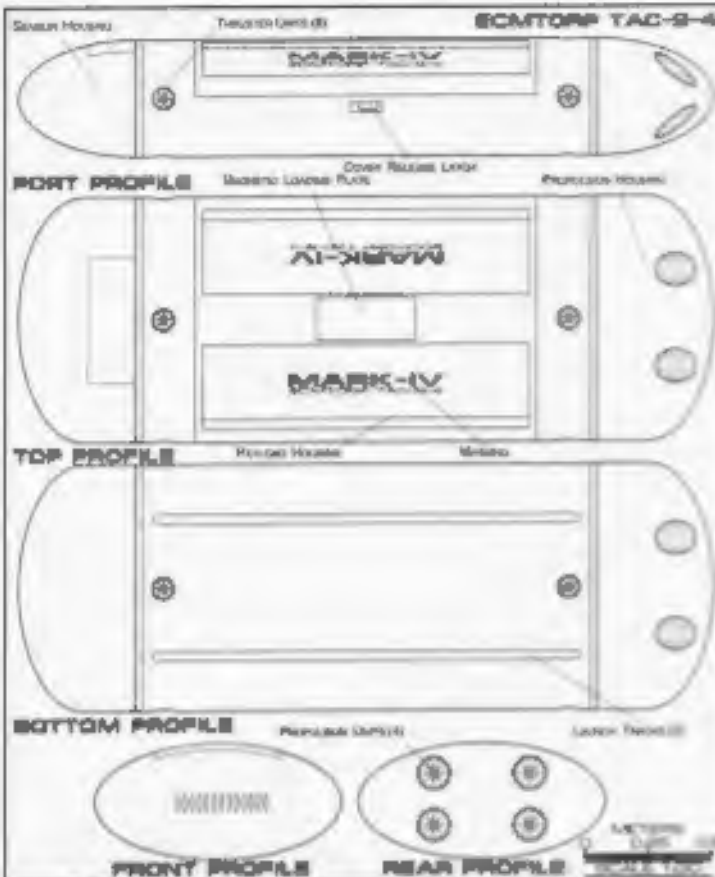
**Standard Package**

**Additional Features:**

Femto Second Data Collection

Multi-Frequency Beacon

Electronic Counter Measures



## Mark V Sensor Torpedo

**General Information:** The Sensor Torpedo is used for long range reconnaissance missions. Located along the lower part of the payload section are 425 phased array sensor discs which give the pod an exceptionally sensitive data acquisition system. In order to avoid detection many of the torpedoes sensors are designed for passive information gathering. If required, the torpedo can also be used to attack enemy targets at remote locations.

**Classification:** Sensor Torpedo

**Class:** MARK V

**Dimensions:**

**Overall Dimensions (Meters)**

Length: 2.75 m

Width: 0.56 m

Height: 0.47 m

**Displacement (Glide Pod)**

Standard: 142.5 kg

**Performance:**

**Warp Drive:** 4 Micro Warp Units (0.5-3)

**Cruising Speed:** Warp 3

**Max. Speed:** Warp 9.77 Burst

**Range:** 1.2x10<sup>8</sup> km

**Duration:** Years in Reserve Mode

**Telemetry:**

**Channels:** 4.852

**Output:** 80 MW

**Sensors:**

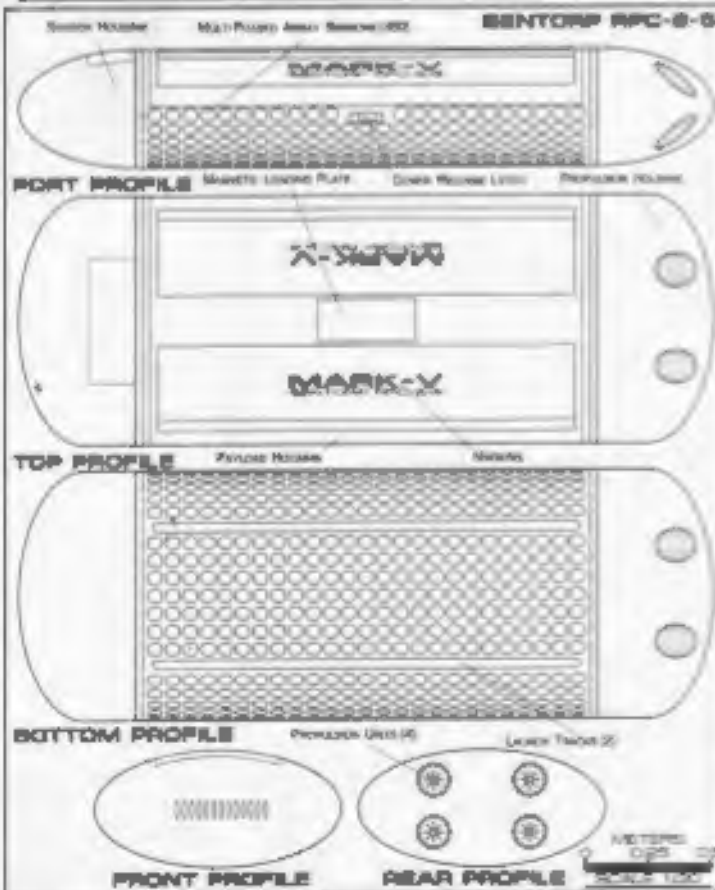
**Standard Package**

**Additional Features:**

Femto Second Data Collection

Multi-Frequency Beacon

Multi-Phased Array Sensor







# PROBES



## Probes

Due to the large amount of Federation exploration it was found that the use of probes greatly enhances the sensory abilities of a starship. The probes are launched using the existing torpedo launch systems that are standard equipment on most Federation vessels. If the vessel is not equipped with torpedo launch equipment, the sensors can be deployed from the shuttlecraft or research bays at reduced speed and range.

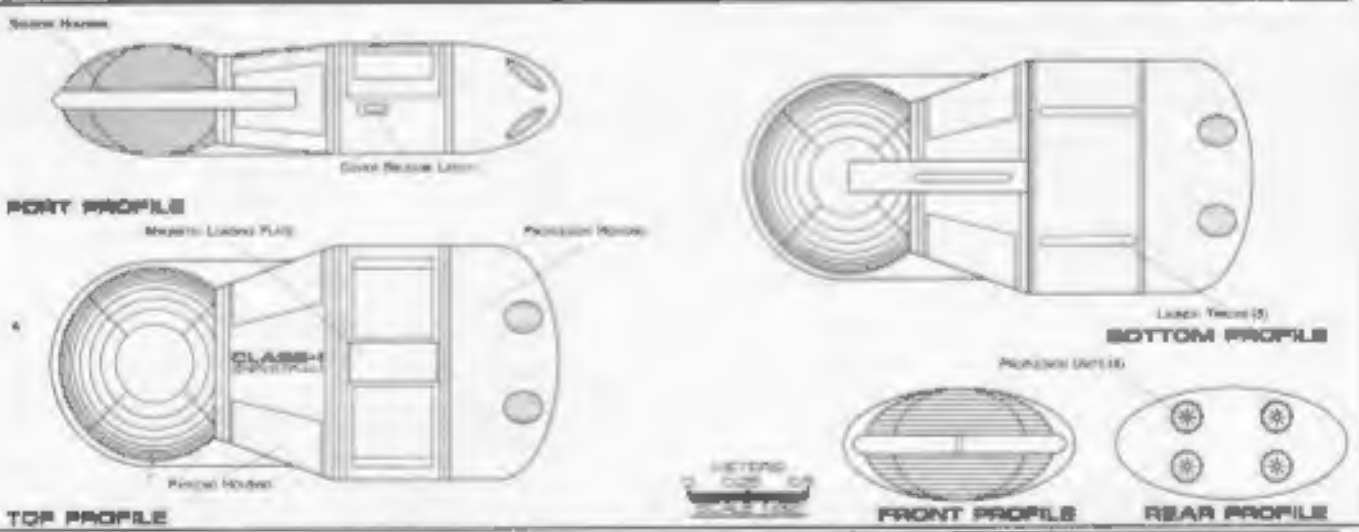
### Probe Emblem



For additional detail refer to Datasheet MVE-2

### Class I Sensor Probe

SENPROB FIR-44-1



**General Information:** Most Federation vessels are equipped with general purpose Class I Sensor Probes. The Class I Sensor Probe is a short range, compact sensory package that includes a diagnostic chemistry laboratory.

<b>Classification:</b> Sensor Probe	<b>Telemetry:</b>
<b>Class:</b> I	<b>Channels:</b> 12,500
<b>Dimensions:</b>	<b>Output:</b> 12 MHz
<b>Overall Dimensions (Meters)</b>	<b>Sensors:</b>
Length: 2.14m	Standard Package
Width: 0.90m	Electromagnetic
Height: 0.47m	Subspace Chemistry
<b>Displacement (Metric Tons)</b>	Interstellar Chemistry
Standard: 108.74kg	Subspace Chemistry
<b>Performance:</b>	<b>Additional Features:</b>
<b>Warp Drive:</b> 4 Extension Units (STR-3)	See Text
<b>Cruising Speed:</b> 20.5 C	
<b>Max. Speed:</b> Warp 9.77	
<b>Range:</b> 2x10 <sup>5</sup> km	



## Class II Sensor Probe

SENPROB DSU-2-2

Scans: 10000

Power: 1000 Watts

PORT PROFILE

Max: 1000 Watts

CLASS II

TOP PROFILE

FRONT PROFILE

BOTTOM PROFILE

REAR PROFILE

**General Information:** Most Federation vessels are equipped with some extended purpose Class II Sensor Probe. The Class II Probe is the standard long range sensory package included with most sensor packages. Additional sensors and sensors are available for purchase at additional cost.

### Classification: Sensor Probe

Type:

Dimensions:

Overall Dimensions (Meters):

Length: 10

Width: 5

Height: 2

Displacement (Metric Tons):

Standard: 1500

Performance:

Warp: 1000 (Maximum: 1000)

Cruising Speed: 10

Max Speed: 1000

Range: 1000

### Features:

1. Sensors: 1000

Output: 1000

Sensors:

Standard Package

Submarine Chemistry

Submarine Chemistry

Submarine Chemistry

Long Range Particle Detectors

Field Detectors

Additional Features:

Imaging Systems

## Class III Planetary Probe

PLANPROB DMJ-12-3

PORT PROFILE

Max: 1000 Watts

TOP PROFILE

FRONT PROFILE

BOTTOM PROFILE

REAR PROFILE

**General Information:** The Planetary Probe is designed for the exploration of interstellar bodies. The probe has a reinforced hull designed to hold off extreme atmospheric pressures. The pod is equipped with an extensive chemical diagnostic laboratories and has the ability to loiter around stellar bodies for extended periods of time. If needed, the sensor can also soft-land on planetary bodies with a gravity of less than 1g and survive impacts up to 1000 K/sec.

### Classification: Planetary Probe

Type:

Dimensions:

Overall Dimensions (Meters):

Length: 10

Width: 5

Height: 2

Displacement (Metric Tons):

Standard: 1500

Performance:

Warp: 1000 (Maximum: 1000)

Cruising Speed: 10

Max Speed: 1000

Range: 1000

### Features:

Channels: 1000

Output: 1000

Sensors:

Standard Package

Temperature Sensors

Gas Giant Sensors

Field Detectors

Additional Features:

Droplet Chemical Analyzer

Mineral Sampler

Reinforced Hull (1000 bar Pressure)

Soft Landing Ability

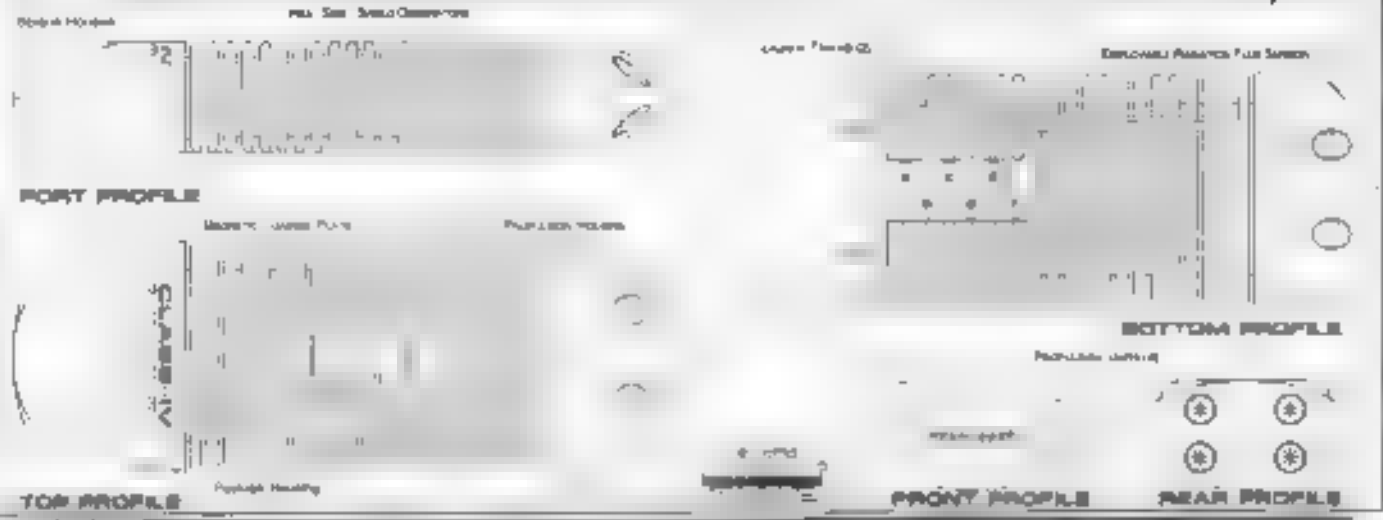
Unlimited Tethered Loiter Time

# PROBES



## Class IV Stellar Encounter Probe

STUPROB HNT-2-B

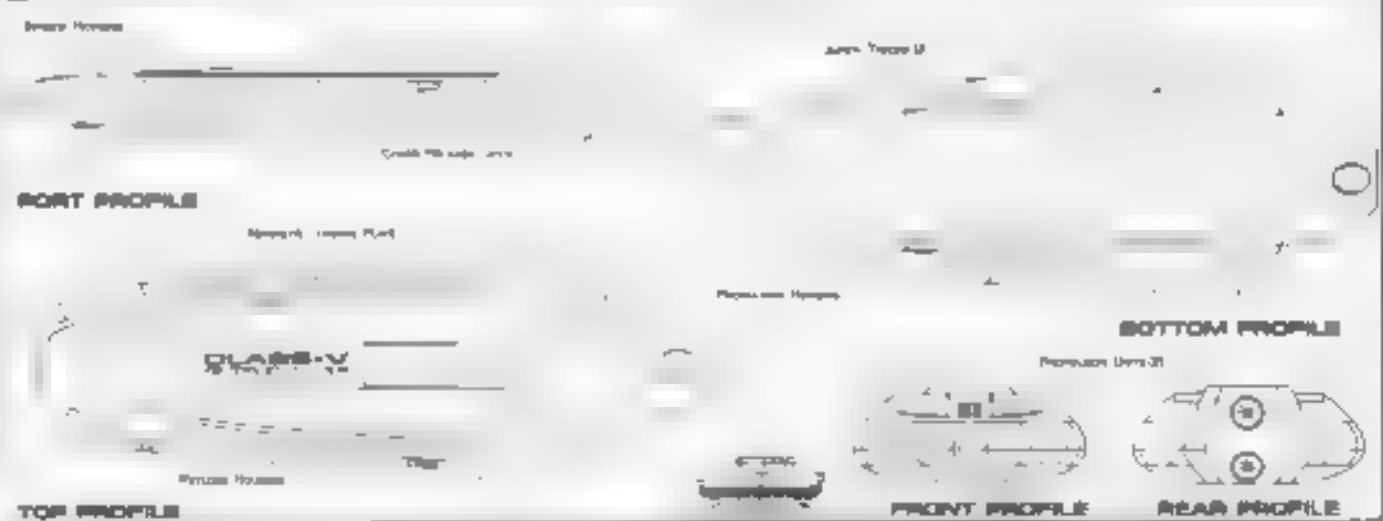


**General Information:** The Stellar Encounter Probe is used to study the evolution of stars and similar stellar bodies such as remnants, singularities and protostars. This probe is equipped with extensive sensors to detect the immense plasma flux and tidal gravity forces that occur as the probe approaches a star. The probe is equipped with 6 deployable radiation flux sensors.

<b>Classification:</b> Stellar Probe	<b>Telemetry:</b>
<b>Size:</b>	Channels: 4,750
<b>Dimensions:</b>	Output: 60 MW
<b>Overall Dimensions (Stream):</b>	<b>Sensors:</b>
Length: 10m	Standard Package
Width: 10m	Stellar Field Sensors
Height: 10m	Particle Detectors
<b>Displacement (Metric Tons):</b>	Stellar Atmosphere Sensors
Standard: 15.5 kg	<b>Additional Features:</b>
<b>Performance:</b>	6 Deployable Radiation Flux Sensors
Survey Cycle: 4 Sample Units (STU-3)	
Cruising Speed: 0.1c	
Max Speed: 0.1c	
Range: 1.5 x 10 <sup>12</sup> km	

## Class V Reconnaissance Probe

RECPROB YHJ-3-B



**General Information:** The Reconnaissance Probe is a passive information gathering device. This probe differs from the other sensory probes in that it can loiter undetected for extended periods of time and compile large amounts of data.

<b>Classification:</b> Reconnaissance Probe	<b>Telemetry:</b>
<b>Class:</b>	Channels: 4,320
<b>Dimensions:</b>	Output: 7.5 MW
<b>Overall Dimensions (Stream):</b>	<b>Sensors:</b>
Length: 10m	Standard Package
Width: 10m	Electromagnetic
Height: 10m	Stoichiometry Chemistry
<b>Displacement (Metric Tons):</b>	Interstellar Chemistry
Standard: 47.5 kg	Stoichiometry Chemistry
<b>Performance:</b>	<b>Additional Features:</b>
Survey Cycle: 4 Micro Ship Units (STU-3)	Passive Sensors
Cruising Speed: Warp 2	Low Observability
Max Speed: Warp 3.5	Self Landing Ability
Range: 4.3 x 10 <sup>12</sup> km	





## Class VI Comm Relay / Emergency Beacon

COMPROB DRY 71-B

Design Image

### PORT PROFILE

Model: 1000-001

CLASS VI

### BOTTOM PROFILE

Periscope (left)

### TOP PROFILE

### FRONT PROFILE

### REAR PROFILE

**General Information:** Being long range explorers, probes are required to maintain a low profile in the field. Emergency beacons are used to locate a probe in other signal scenarios. This probe is designed to temporarily replace beacons in emergency situations. The probe is designed to increase the transmission range of other classes of probes by creating a network of probe transmissions.

**Classification:** COMM, BEACON

**Size:**

**Dimensions:**

**Overall Dimensions (Standard)**

**Length:** 10m

**Width:** 2m

**Height:** 1.5m

**Displacement (Giraffe Total)**

**Standard:** 1.5 G

**Performance:**

**Warp Factor:** 100000 Units (10000)

**Cruising Speed:** 100

**Max Speed:** 10000

**Range:** 10000000

**Velocity:**

**Classified:** 100

**Design:** 100000

**Features:**

**Standard Package:**

**Communication Frequency:**

**Additional Features:**

**High Gain Antenna:**

**Extended Power Supply:**

## Class VII Remote Culture Study Probe

CLTPROB FLU-17

Design Image

### PORT PROFILE

Model: 1000-001

CLASS VII

### BOTTOM PROFILE

Periscope (left)

### TOP PROFILE

### FRONT PROFILE

### REAR PROFILE

**General Information:** The Remote Culture Study Probe, through the use of low observability technology, attempts to remain undetected while studying foreign cultures. In the event that the probe is discovered by an alien culture, a built-in molecular self-destruction device breaks all mechanical and electrical parts down to base elements so that nothing can be learned from the probe that could alter their cultural path.

**Classification:** A/R, Probe

**Size:**

**Dimensions:**

**Overall Dimensions (Standard)**

**Length:** 10m

**Width:** 2m

**Height:** 1.5m

**Displacement (Giraffe Total)**

**Standard:** 1.5 G

**Performance:**

**Warp Factor:** 100000 Units (10000)

**Cruising Speed:** 100

**Max Speed:** 10000

**Range:** 10000000

**Velocity:**

**Classified:** 100

**Design:** 100000

**Features:**

**Standard Package:**

**Territorial Sensor:**

**Additional Features:**

**Passive Sensors:**

**Low Observability:**

**Self-Landing Ability:**

**Extensive Laying Ability:**

# PROBES



## Class VIII Medium Range Multimission Warp Probe

MRWPROB DFC-2-B

Sensor Housing

Launch Track (ft)

PORT PROFILE

Warp Core Unit

BOTTOM PROFILE

TOP PROFILE

Probe Housing

FRONT PROFILE

REAR PROFILE

**General Information:** The Medium Range Warp Probe can carry various payloads at warp speeds. The payload section carries custom equipment, intelligence gathering devices or supplies to whatever location is needed. The probe also has an extended sensor housing containing general purpose sensors.

<b>Classification:</b> Medium Range Warp Probe Telestark	<b>Characteristics:</b> 4.500
<b>Class:</b> II	<b>Output:</b> 500 MW
<b>Dimensions:</b>	<b>Sensors:</b>
<b>Overall Dimensions (Standard):</b>	Standard Standard
<b>Length:</b> 17m	Various Modules
<b>Width:</b> 6m	<b>Additional Features:</b>
<b>Height:</b> 4m	Modular Sensor Ability
<b>Displacement (Standard Total):</b>	
<b>Standard:</b> 15.00 kg	
<b>Performance:</b>	
<b>Warp Core:</b> 4 Micro Warp Units (MWU-3)	
<b>Cruising Speed:</b> Warp 6.0	
<b>Max. Speed:</b> Warp 6.77	
<b>Range:</b> 4.000	

## Class IX Long Range Multimission Warp Probe

LRWPROB EWS-3-B

Sensor Housing

Warp Core Unit

Launch Track (ft)

PORT PROFILE

Warp Core Unit

Probe Housing

BOTTOM PROFILE

TOP PROFILE

FRONT PROFILE

REAR PROFILE

**General Information:** The Long Range Warp Probe due to its extended drive section is able to carry various payloads at warp speeds over extremely long distances. The payload section carries custom equipment, intelligence gathering devices or supplies to whatever location is needed. The probe has an extended sensor housing to carry additional sensors.

<b>Classification:</b> Long Range Warp Probe	<b>Characteristics:</b>
<b>Class:</b> III	<b>Characteristics:</b> 5.500
<b>Dimensions:</b>	<b>Output:</b> 250 MW
<b>Overall Dimensions (Standard):</b>	<b>Sensors:</b>
<b>Length:</b> 17m	Standard Standard
<b>Width:</b> 6m	Various Modules
<b>Height:</b> 4m	<b>Additional Features:</b>
<b>Displacement (Standard Total):</b>	Modular Sensor Ability
<b>Standard:</b> 15.00 kg	
<b>Performance:</b>	
<b>Warp Core:</b> 4 Micro Warp Units (MWU-3)	
<b>Cruising Speed:</b> Warp 6.0	
<b>Max. Speed:</b> Warp 6.77	
<b>Range:</b> 4.000	



## General Information

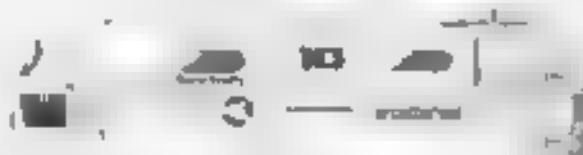
A large number of small support vehicles are required by Starfleet in order to carry out various missions such as construction transportation and defense. Shuttlecraft are predominantly designed for specific mission requirements in order to create the smallest most effective package.

Shuttles are sometimes very useful for moving small groups of people when transporters can not be used for one reason or another.

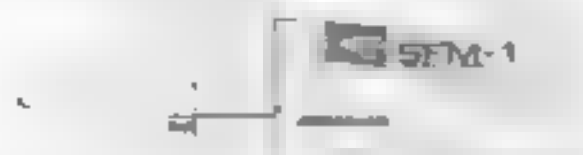
## Size Comparison



Aquatic Shuttlecraft • Manta Class



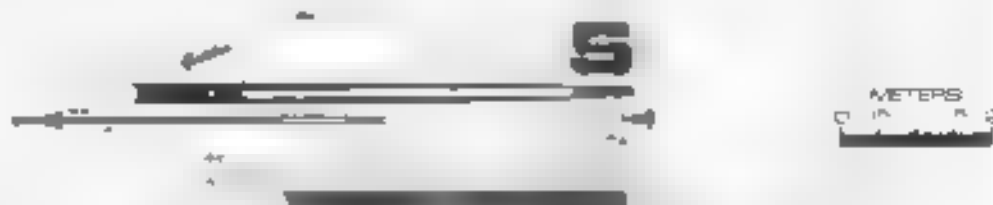
Escape Pod (40 Person) • Sanctuary Class



Light Assault Shuttle • Goblin Class



Light Fighter • Wasp Class



Standard Shuttlecraft • Dallan Class



Travel Pod • Viewer Class



Turbolift • Shifter Class

## AQUATIC SHUTTLE



## General Information

**Specific Role:** The Aquatic Shuttlecraft is used for exploration and transportation on worlds with liquid surfaces. The shuttle handles both positive and negative pressures which allow it to function both in the vacuum of space and the extreme pressures associated with aquatic environments.

**Physical Description:** The hull is a long wedge shape and is equipped with three airlocks for personnel and equipment. Two are located on either side and the third is a surface hatch located on the top of the craft positioned on either side. The shuttle is (SMI-VN) is a navigational sensor arrays. This shuttle is equipped with a unique (UP-75-A) Aquatic Phaser located at the front of the shuttle. Sublight propulsion is provided by impulse drive units mounted either section of the hull.

For additional detail refer to Data Sheet MST 2

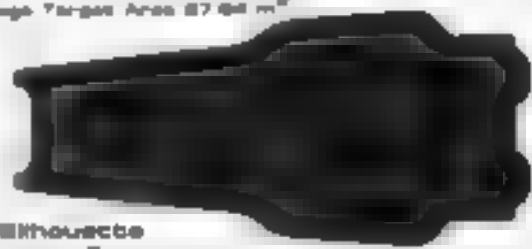
## Statistics

**Classification:** Aquatic Shuttlecraft  
**Category:** 1 - Shuttle  
**Class:** Manta  
**Type:** Manta 5  
**Model:** M-10X  
**Naval Construction Contract:** 000  
**Dispositions:**  
**Overall Dimensions (Meters):**  
 Length: 29m  
 Width: 7m  
 Height: 4.5m  
**Displacement (Metric Tons):**  
 Light: 5,000  
 Standard: 5,300m  
 Full Load: 5,900m  
**Performance:**  
**Impulse Thrust:** Max. Pace (P04G4-AQ)  
**Impulse Engine Output:** 8x10<sup>6</sup> W  
**Max Cruising:**  
**Acceleration Rate:**  
 0.00-0.25 Impulse: 0.3' sec  
 0.25-0.50 Impulse: 0.0K sec  
 0.50-0.75 Impulse: 0.0K sec  
 0.75 Full Impulse: 0.245 sec  
**Warp Drive:** A  
**Warp Engine Output:** N/A  
**Optimum Speed:** N/A  
**Max Safe Cruising:** N/A  
**Emergency Speed:** N/A  
**Max Speed:** 1/2  
**Destructive Speed:** N/A  
**Acceleration Power:** N/A  
**Acceleration Times:**  
 Warp 1 Warp 2 1/2  
 Warp 3 Warp 3 1/2  
 Warp 4 Warp 4 1/2  
 Warp 5 Warp 5 1/2  
 Warp 6 Warp 6 1/2  
 Warp 7 Warp 7 1/2  
 Warp 8 Warp 8 1/2  
 Warp 9 Warp 9 1/2  
 Warp 10 Warp 10 1/2  
 Warp 11 Warp 11 1/2  
 Warp 12 Warp 12 1/2  
 Warp 13 Warp 13 1/2  
 Warp 14 Warp 14 1/2  
 Warp 15 Warp 15 1/2  
**Deep Sea (Yards):**  
 Maximum: 1000  
 Minimum: 100  
**Sub Light Complement:** 0  
**Crew:**  
**Passengers:** 1  
**Emergency conditions:** 0  
**Transporters Total:** 0  
 1 Person  
 2 Person 0  
 3 Person 0  
 Small Cargo 0  
 Medium Cargo 0

**Tractor Beam:**  
**Tow Capacity:** 5x10<sup>10</sup> m  
**Max Range:** 10x10 km  
**Cargo Specification:**  
**Standard Cargo Units:** N/A  
**Cargo Capacity:** N/A  
**Shuttlecraft Specifications:**  
**Docking Ports:**  
**Cloaking Devices:** 0  
**Sensor Index Values:**  
**Planetary Survey:** 254  
**Stellar Survey:** 2942  
**Short Range:**  
**Long Range:** 020  
**Navigation:** 0.007  
**Special:** 23  
**Computers:**  
**Type:** Nurey Magna 16d  
**Type:** Nurey Magna 2r  
**Shield Rating:**  
**Shield Power:** 4.72x10<sup>10</sup> W  
**Refresh Rate:** 34x10<sup>10</sup> W  
**Breakdown Rate:** 6x10<sup>10</sup> W  
**Shield Dimensions (Meters):**  
 Length: 6m  
 Width: 0.8m  
 Height: 2.0m  
**Weapons:**  
**Weapon Placement:**  
**Beam (Phasers) Total:** 1 Mount  
**Output:** 5x10<sup>10</sup> W 5x10<sup>10</sup> W  
**Range:** 5x10 km  
**Rate of Fire:** 2x10<sup>10</sup> W  
**Forward Banks:**  
 Rear Banks: 0  
 Port Banks: 0  
 Starboard Banks: 0  
 Upper Banks: 0  
 Lower Banks: 0  
**Beam (Heavy Phasers) Total:** 0  
**Output:** 0  
**Range:** 0  
**Rate of Fire:** 0  
**Forward Rear Banks:** 0  
**Port Starboard Banks:** 0  
**Upper/Lower Banks:**  
**Missiles (Photon) Total:** 0  
 Block: 0  
 Range: 0  
**Output:** 0  
**Rate of Fire:** 0  
**Forward Bay:** 0  
**Rear Bay:** 0  
**Port Bay:** 0  
**Starboard Bay:** 0  
**Upper Bay:** 0  
**Lower Bay:** 0

## Craft Silhouettes

Total Target Area 8381 m<sup>2</sup>  
 Average Target Area 8788 m<sup>2</sup>



Top Silhouette  
 Area 8128 m<sup>2</sup>



Port Silhouette  
 Area 8408 m<sup>2</sup>



Front Silhouette  
 Area 8448 m<sup>2</sup>

## Class Emblem







# AQUATIC SHUTTLE

MANTA CLASS

FEDERATION CRAFT

PORT PROFILE

TOP PROFILE

BOTTOM PROFILE

FRONT PROFILE

REAR PROFILE

SRMA-1 03:02:01:02

STARFLEET REFERENCE MANUAL

# ESCAPE POD (40 Person)



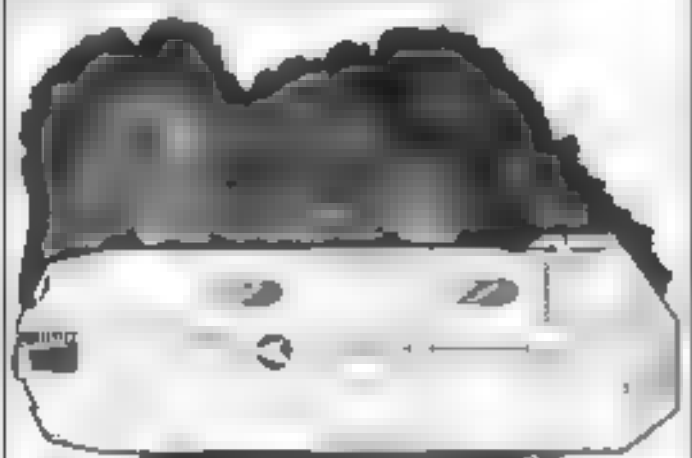
## General Information

**Specific Role:** The Sanctuary Escape Pod is designed to remove personnel during an emergency evacuation. The Escape Pod is located behind explosive panels on Starships. This panel is jettisoned during an emergency allowing the pod to make a quick egress.

**Physical Description:** The hull is a squat shape designed to maximize the use of space while the pod is in storage. Two doors are located on either side of the pod. A large viewport is located in the rear of the pod. Positioned on either side of the shuttle are COMBAT 3.0I navigational sensor arrays. Sublight propulsion is provided by two compact main thrust units located at the rear section of the craft. The main thrust units are designed to be a highly efficiency engine designed for short term use.

For additional data refer to Data sheet MVP

## Class Emblem



**Sanctuary Class**  
40 PERSON ESCAPE POD

## Statistics

**Classification:** Escape Pod  
**Category:** Shuttlecraft  
**Class:** N/A  
**Type:** N/A  
**Model:** MVP II  
**Naval Construction Contract:** EP-40  
**Dimensions:**  
**Overall Dimensions (Meters)**  
Length: 8m  
Width: 4m  
Height: 3m  
**Displacement (Metric Tons)**  
Light: 15m  
Standard: 3m  
Full Load: 4.00m  
**Performance:**  
**Impulse Center:** Dual and (SP21F 2-IP)  
**Impulse Engine Output:** 0.2% 2 W  
**Max (rushing)**  
**Acceleration Rate:**  
0.00-0.35 impulse 0-40 sec  
0.35-0.50 impulse 1-50 sec  
0.50-0.75 impulse 70-100 sec  
0.75 Full impulse 0-340 sec  
**Warp Units:** N/A  
**Warp Engine Output:** N/A  
**Optimum Speed:** N/A  
**Max. Safe (rushing):** N/A  
**Emergency Speed:** N/A  
**Max. Speed:** 1.1  
**Destructive Speed:** 1.4  
**Acceleration Power:** 1.3  
**Acceleration Times:**  
Warp 1 Warp 2 N/A  
Warp 2 Warp 3 N/A  
Warp 3 Warp 4 N/A  
Warp 4 Warp 5 N/A  
Warp 5 Warp 6 N/A  
Warp 6 Warp 7 N/A  
Warp 7 Warp 8 N/A  
Warp 8 Warp 9 N/A  
Warp 9 Warp 10 N/A  
Warp 10 Warp 11 N/A  
Warp 11 Warp 12 N/A  
**Duration (Years)**  
Standard: 1 year  
Maximum: 1 year  
**Std. Shape Complement:** 1  
**Crew:**  
Passengers: 40  
Emergency condition: +20  
**Transporters Total:** 1  
1 Person  
3 Person  
6 Person  
Small Cargo: 0  
Medium Cargo: 0

**Tractor Beams:**  
**Tow Capacity:** 5.10x10<sup>12</sup> m  
**Max. Range:** 7.10x10<sup>12</sup> m  
**Cargo Specification:**  
**HEAVY Cargo Data:** N/A  
**Cargo Capacity:** N/A  
**Shuttlecraft Specifications:**  
**Docking Ports:** 0  
**Cloaking Devices:** 0  
**Sensor Index Values:**  
**Planetary Survey:** 254  
**Satellite Survey:** 3842  
**Short Range:** N/A  
**Long Range:** 0.25  
**Navigation:** 0.98  
**Special:** 3  
**Computers:**  
**Type:** N/A by Magna 47  
**Type:** N/A by Magna 47  
**Shield Rating:**  
**Shield Power:** 3.72x10<sup>12</sup> W  
**Refresh Rate:** 1.34x 0 W  
**Breakdown Rate:** 81x 0<sup>12</sup> W  
**Shield Dimensions (Meters)**  
Length: 4.0m  
Width: 4.0m  
Height: 4.0m  
**Weapons:**  
**Weapon Placement:**  
**Beam (Phasers) Total:** 0  
**Output:** N/A  
**Range:** N/A  
**Rate of Fire:** N/A  
**Forward Banks:** 0  
**Rear Banks:** 0  
**Port Banks:** 0  
**Starboard Banks:** 0  
**Upper Banks:** 0  
**Lower Banks:** 0  
**Beam (Heavy Phasers) Total:** 0  
**Output:** N/A  
**Range:** N/A  
**Rate of Fire:** N/A  
**Forward/Rear Banks:** 0  
**Port/Starboard Banks:** 0  
**Upper/Lower Banks:** 0  
**Missiles (Photon) Total:** N/A  
**Stock:** N/A  
**Range:** N/A  
**Output:** N/A  
**Rate of Fire:** N/A  
**Forward Bay:** 0  
**Rear Bay:** 0  
**Port Bay:** 0  
**Starboard Bay:** 0  
**Upper Bay:** 0  
**Lower Bay:** 0

## Craft Silhouettes

Total Target Area: 87.94 m<sup>2</sup>  
Average Target Area: 80.38 m<sup>2</sup>



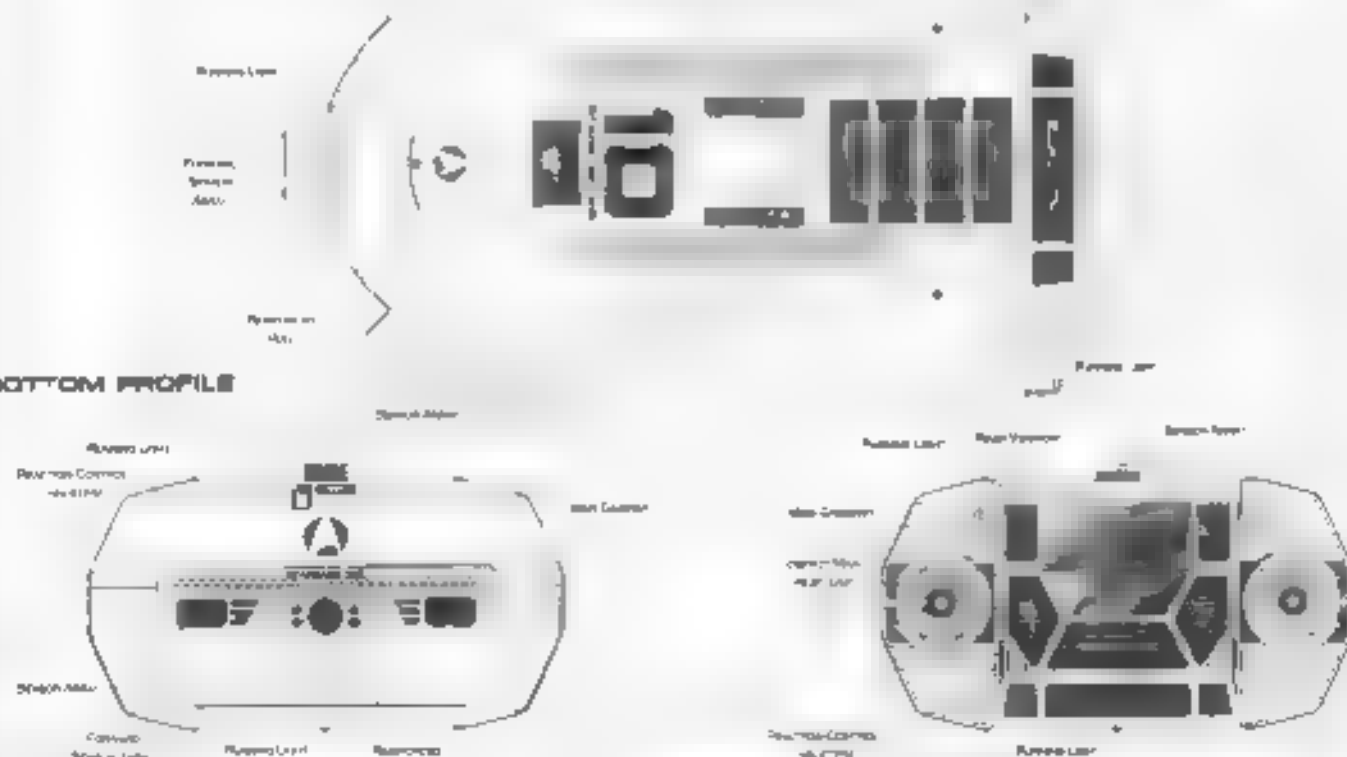
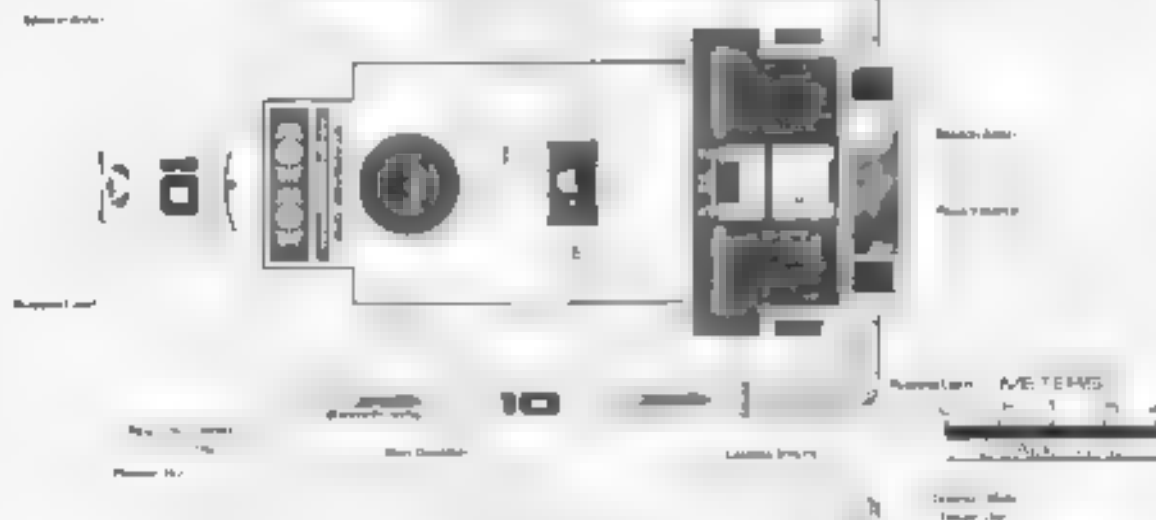
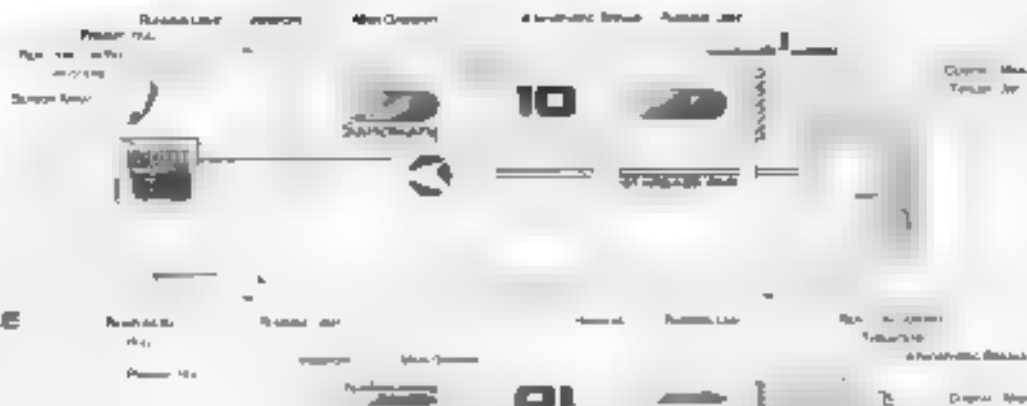
**Top Silhouette**  
Area: 31.3 m<sup>2</sup>



**Port Silhouette**  
Area: 17.08 m<sup>2</sup>



**Front Silhouette**  
Area: 28.11 m<sup>2</sup>



## LIGHT ASSAULT SHUTTLE



## General Information

**Specific Role:** The Light Assault Shuttlecraft is deployed by the United Federation of Planets Peace Keeping Forces (Starfleet Marines) for a swift assault role. The Shuttle's role is two fold: point assault and the delivery of assault troops through the large door located to the rear of the vessel.

**Physical Description:** The hull is shaped in a long wedge and is equipped with three doors. Two of the doors are located one on either side of the crafts forward section and the third serves as a sliding hatch that opens the rear section completely. Positioned on both sides of the shuttle are 5M JN's 2 2 navigation sensor arrays. This shuttle is equipped with both H/L 2 554 phasers and PB's 2 6W photon missiles. The phasers are mounted both port and starboard, just forward of the main entrance and the photon missile launchers are mounted below on the lower hull. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided in (SW08/1 5120) micro nacelles which are mounted on each side of the hull.

For detailed data refer to Data sheet MVM-1.

## Class Emblem



## Statistics

**Classification:** Light Assault Shuttle  
**Category:** Shuttlecraft  
**Class:** LC  
**Type:** ass 5  
**Model:** VM 24  
**Serial Construction Contract:** AS-M  
**Dimensions:**

## Overall Dimensions (Meters)

**Length:** 5.36m  
**Width:** 4.1m  
**Height:** 3.4m  
**Displacement (Metric Tons):**  
**Light:** 4.4mt  
**Standard:** 5.25mt  
**Full Load:** 7.03mt

## Performance

**Impulse Unit:** Dual Jet 1025E18-UP  
**Impulse Engine Output:**  $6.5 \times 10^8$  W  
**Max Cruising:**  
**Acceleration Rate:**  
 0.00-0.25 impulse: 0.35 sec  
 0.25-0.50 impulse: 0.196 sec  
 0.50-0.75 impulse: 0.25 sec  
 0.75 Full Impulse: 0.3-4 sec  
**Warp Units:** 2 Hardwired (SW08/1-58X)

**Warp Engine Output:**  $2 \times 10^8$  W  
**Optimum Speed:** Warp 2  
**Max Safe Cruising:** Warp 3  
**Emergency Speed:** Warp 4  
**Max Speed:** Warp 4  
**Destructive Speed:** Warp 4.5

**Acceleration Power:** 30

## Acceleration Times

**Warp 1:** Warp 2: 7.216 sec  
**Warp 2:** Warp 3: 5.96 sec  
**Warp 3:** Warp 4: 4.6 sec  
**Warp 4:** Warp 5: N/A  
**Warp 5:** Warp 6: N/A  
**Warp 6:** Warp 7: N/A  
**Warp 7:** Warp 8: N/A  
**Warp 8:** Warp 9: N/A  
**Warp 9:** Warp 10: N/A  
**Warp 10:** Warp 11: N/A  
**Warp 11:** Warp 12: N/A

## Duration (Years)

**Standard:** 40%  
**Maximum:** 74%

## Std. Midge Complement

**Crew:**  
**Passengers:** 6  
**Emergency condition:** 14  
**Transporters Total:**  
 1 Person: 1  
 2 Person: 1  
 3 Person: 0  
 Small Cargo: 0  
 Medium Cargo: 0

## Tractor Beams: 1

**Tow Capacity:**  $4.00 \times 10^8$  kg  
**Max Range:**  $6.13 \times 10^3$  km  
**Cargo Specification:**  
**Standard Cargo Unit:** N/A  
**Cargo Capacity:** N/A  
**Multi-Level Specifications:**  
**Loading Ports:** 0  
**Cloaking Device:** 0  
**Reactor Unit:** Valves: 0  
**Planetary Survey:** 1354  
**Stellar Survey:** 0.642  
**Short Range:** 0.6  
**Long Range:** 100  
**Navigation:** 0.075  
**Special:** 45

## Computers: 2

**Type:** Memory Magna 5.0  
**Type:** Memory Magna 13.0  
**Shield Rating:**

**Shield Power:**  $4.38 \times 10^8$  W  
**Refract Rate:**  $1.38 \times 10^8$  W  
**Breakdown Rate:**  $35 \times 10^8$  W  
**Shield Dimensions (Meters):**  
**Length:** 4.1m  
**Width:** 4.1m  
**Height:** 3.4m

## Weapons

**Weapon Placement:**  
**Beam (Phasers) Total:** 2 Minut  
**Output:**  $5.0 \times 10^8$  W  $2.5 \times 10^8$  W  
**Range:** 2.0 km  
**Rate of Fire:** 40 ppm Core  
**Forward Banks:**  
 Rear Banks: 0  
 Port Banks: 0  
 Starboard Banks: 0  
 Upper Banks: 0  
 Lower Banks: 0  
**Beam (Heavy Phasers) Total:** 0  
**Output:** N/A  
**Range:** N/A  
**Rate of Fire:** N/A  
**Forward/Rear Banks:** 0  
**Port/Starboard Banks:** 0  
**Upper/Lower Banks:** 0  
**Missiles (Phasers) Total:** 2 Tubes  
**Block:** 30  
**Range:**  $2.0 \times 10^8$  km  
**Output:**  $5 \times 10^8$  W  
**Rate of Fire:** 0 ppm  
**Forward Bay:** 2  
**Rear Bay:** 0  
**Port Bay:** 0  
**Starboard Bay:** 0  
**Upper Bay:** 0  
**Lower Bay:** 0

## Craft Silhouettes

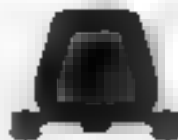
**Total Target Area:** 38.84 m<sup>2</sup>  
**Average Target Area:** 12.78 m<sup>2</sup>



**Top Silhouette**  
**Area:** 12.98 m<sup>2</sup>



**Port Silhouette**  
**Area:** 12.48 m<sup>2</sup>



**Front Silhouette**  
**Area:** 4.08 m<sup>2</sup>





# LIGHT ASSAULT SHUTTLE

PODLIN CLASS

FEDERATION CRAFT

PORT PROFILE

TOP PROFILE

BOTTOM PROFILE

FRONT PROFILE

REAR PROFILE

SRMA-1 03:02:03:02

STARFLEET REFERENCE MANUAL

# LIGHT FIGHTER

## General Information

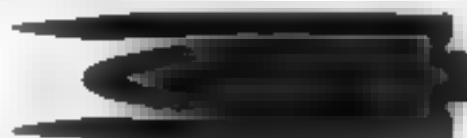
**Specific Role:** The Light Fighter is used for precision assault, some protection and in-fighting around capital ships. The fighter is designed to be crewed by a pilot and gunner/navigator but can operated by the pilot alone should the gunner/navigator become incapacitated or be unavailable at launch. For the purposes of starship engagement the fighter has been designed to operate at high warp speeds for short periods of time.

**Physical Description:** The fighter's hull is slender in ship shape. The crew seated in the cockpit is covered by a full canopy with a 2x0 degree field of view. A (SMDN/2/2-4) navigational sensor assembly is located under the front portion of the craft. The fighter is equipped with (1x 12.5k) phaser cannons and (1x/12.8k) photon missiles. Phasers are mounted on either side of the hull & below the canopy. Photon missile launchers are located in the top front of each cannon. A sublight propulsion is provided by the impulse drive installed in the rear section of the craft. Warp power is provided by (xW 2 2AP) micro nacelles which are mounted on each side of the hull.

For additional detail refer to Datasheet MVT-1

## Craft Silhouettes

Total Target Area 30.00 m<sup>2</sup>  
Average Target Area 10.00 m<sup>2</sup>



Top Silhouette  
Area 17.10 m<sup>2</sup>



Side Silhouette  
Area 10.74 m<sup>2</sup>



Front Silhouette  
Area 5.13 m<sup>2</sup>

## Class Emblem



Light Fighter Wasp Class

## Statistics

Classification: Light Fighter  
Category: Fighter  
Class: Wasp  
Type: Juss  
Model: MVT-1  
Naval Construction Contract: 0000-3  
Dimensions:

Overall Dimensions (Meters)  
Length: 8.75m  
Width: 7.53m  
Height: 2.0m  
Displacement (Metric Tons)  
Light: 3.5m  
Standard: 9.7m  
Full Load: 0.00m

Performance

Impulse Drive: Dual Pack (P1B2-4-4)

Impulse Engine Output: 7.8x10<sup>8</sup> W

Max Cruising: C

Acceleration Rate:

0.00-0.22 Impulse 0.3 sec

0.25-0.50 Impulse 0.20 sec

0.50-0.75 Impulse 0.25 sec

0.75-1.00 Impulse 0.343 sec

Warp Jacks: 2 Nacelle Units SW120-2AP

Max Warp Speed: 1.2x10<sup>12</sup> W

Optimum Speed: Warp 6

Max Sub-Cruising: Warp 7

Emergency Speed: Warp 8

Max Speed: Warp 8.2

Constructive Speed: Warp 8.6

Acceleration Power: 3.0

Acceleration Time:

Warp 1: Warp 2: 0.37 sec

Warp 2: Warp 3: 0.71 sec

Warp 3: Warp 4: 0.83 sec

Warp 4: Warp 5: 0.94 sec

Warp 5: Warp 6: 1.07 sec

Warp 6: Warp 7: 1.30 sec

Warp 7: Warp 8: 1.71 sec

Warp 8: Warp 9: 2.531 sec

Warp 9: Warp 10: 3.629 sec

Warp 10: Warp 11: N/A

Warp 11: Warp 12: N/A

Duration (Years)

Standard: Years

Maximum: 4 Years

Std Ship Complement: 2

Crew:

Passengers: 0

Emergency Condition: 0

Transporters Total: 0

1 Person: 0

2 Person: 0

3 Person: 0

Small Cargo: 0

Medium Cargo: 0

Torpedo Bays: 1

Ton Capacity: 2.0x10<sup>12</sup> m<sup>3</sup>

Max Range: 3.0x10<sup>10</sup> km

Cargo Specification:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 254

Stellar Survey: 0.042

Short Range: 1

Long Range: 0.25

Navigation: 0.087

Special: 0.04

Compass: 2

Type: Norway-Magne 20's

Type: Norway-Magne 1

Shield Rating:

Shield Power: 4.72x10<sup>8</sup> W

Refresh Rate: 1.34x10<sup>8</sup> W

Breakdown Rate: 1.0x10<sup>8</sup> W

Shield Dimensions (Meters)

Length: 5m

Width: 3.04m

Height: 2.0m

Weapons

Weapon Placement:

Beam (Phasers) Total: 2 Mounts

Output: 6.0x10<sup>12</sup> W 2.6x10<sup>8</sup> W

Range: 2.6x10<sup>10</sup> km

Rate of Fire: 20 ppm Cont

Forward Banks: 2

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Heavy Phasers) Total: 0

Output: N/A

Range: N/A

Rate: 20 ppm

Forward/Starboard Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: 2 Tubes

Stock: 50

Range: 2.0x10<sup>8</sup> km

Output: 1.0x10<sup>12</sup> W

Rate of Fire: 1 ppm

Forward Bay: 2

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

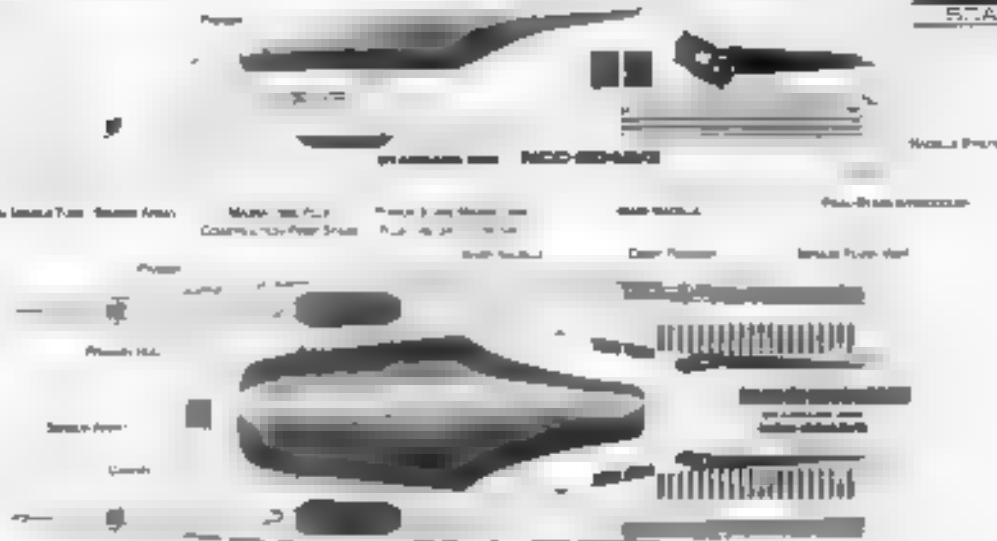


# LIGHT FIGHTER

WASP CLASS

Warp Field Meter Scale 0 0.5 1 1.5 2  
SCALE 1:100

## PORT PROFILE



## TOP PROFILE



## BOTTOM PROFILE



## FRONT PROFILE

Field Length 22.95m  
Field Width 11.32m  
Field Height 2.45m

## REAR PROFILE

Front Warp Field Profile  
Cross Section Area 7.66 m<sup>2</sup>

Port Warp Field Profile  
Cross Section Area 24.67 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 74.93 m<sup>2</sup>

FEDERATION CRAFT

# STANDARD SHUTTLECRAFT



## General Information

**Specific Role:** The Standard Shuttlecraft is the most common warp capable shuttle employed by the Federation. The Shuttle is useful for a large array of missions due to its versatility, speed, range and large interior space.

**Physical Description:** The hull is a long wedge shape and has with three doors for personnel and equipment. Two doors are located on either side and the third serves as a cargo hatch located at the rear. Positioned on either side of the shuttle are (SM) NA 3-4) navigational sensors and 14. The shuttle is equipped with a (BP1/5-10) phaser mounted in the top rowing. Sublight propulsion is provided by an impulse drive unit located on the lower rear section of the craft. Warp power is provided by 16 (SW9/1-14G) micro-nacelles which are mounted on each side of the hull.

For additional detail refer to Datasheet MVT-1

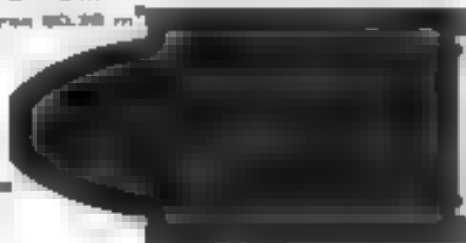
## Statistics

**Classification:** Standard Shuttlecraft  
**Category:** Shuttlecraft  
**Class:** A-10  
**Type:** A-10  
**Model:** SM-10  
**Naval Construction Contract:** 3400  
**Dimensions:**  
**Overall Dimensions (Meters)**  
 Length 10.0  
 Width 4.0  
 Height 2.0  
**Displacement (Metric Tons)**  
 Light 1.0  
 Standard 1.0  
 Full Load 2.0  
**Performance:**  
**Impulse Units:** Dual UPI, BP1/5-10  
**Impulse Engine Output:** 2x10<sup>6</sup> W  
**Max 1 minute:**  
**Acceleration Rate:**  
 0.00-0.25 impulse 0.37 sec  
 0.25-0.50 impulse 1.0 sec  
 0.50-0.75 impulse 2.0 sec  
 0.75 Full impulse 3.0 sec  
**Warp Units:** 16, 100 units (SW9/1-14G)  
**Warp Engine Output:** 2x10<sup>6</sup> W  
**Optimum Speed:** Warp 1  
**Max Rate (sustaining):** Warp 1  
**Emergency Speed:** Warp 1  
**Max Speed:** Warp 1  
**Destructive Speed:** Warp 1  
**Acceleration Power:**  
**Acceleration Times:**  
 Warp 1 Warp 2 4.0 sec  
 Warp 2 Warp 3 1.0 sec  
 Warp 3 Warp 4 1.0 sec  
 Warp 4 Warp 5 1.0 sec  
 Warp 5 Warp 6 1.0 sec  
 Warp 6 Warp 7 1.0 sec  
 Warp 7 Warp 8 1.0 sec  
 Warp 8 Warp 9 1.0 sec  
 Warp 9 Warp 10 1.0 sec  
 Warp 10 Warp 11 1.0 sec  
 Warp 11 Warp 12 1.0 sec  
**Disposition (Tons):**  
 Standard 1.0  
 Maximum 2.0  
**End Range Completion:**  
 Crew  
 Passengers 1  
 Emergency conditions: 10  
**Transporters Total:**  
 1 Person  
 2 Person  
 3 Person  
 4 Person  
 5 Person  
 6 Person  
 7 Person  
 8 Person  
 9 Person  
 10 Person  
 11 Person  
 12 Person  
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 100 Person

**Tractor Beam:** 1  
**Tow Capacity:** 5.0x10<sup>6</sup> W  
**Max Range:** 1.0x10<sup>6</sup> W  
**Cargo Specifications:**  
**Standard Cargo Units:** NA  
**Cargo Capacity:** NA  
**Shuttlecraft Specifications:**  
**Docking Ports:**  
**Cloaking Devices:** 0  
**Sensor Index Values:**  
**Planetary Survey:** 254  
**Stellar Survey:** 0.042  
**Short Range:**  
**Long Range:** 0.25  
**Navigation:** 1.0  
**Special:** 23  
**Computers:** 1  
**Type:** Nixie-Magne 171  
**Type:** Nixie-Magne 31  
**Shield Rating:**  
**Shield Power:** 4.7x10<sup>6</sup> W  
**Shield Rate:** 1.0x10<sup>6</sup> W  
**Breakdown Rate:** 0.1x10<sup>6</sup> W  
**Shield Dimensions (Meters):**  
 Length 1.0  
 Width 1.0  
 Height 1.0  
**Weapons:**  
**Weapon Placement:**  
**Beam (Phasers) Total:** Mount  
**Output:** 5.0x10<sup>6</sup> W  
**Range:** 1.0x10<sup>6</sup> W  
**Rate of Fire:** 1.0 ppm Cont  
**Forward Banks:**  
 Rear Banks 0  
 Port Banks 0  
 Starboard Banks 0  
 Upper Banks 0  
 Lower Banks 0  
**Beam (Heavy Phasers) Total:** 0  
**Output:** NA  
**Range:** NA  
**Rate of Fire:** NA  
**Forward/Rear Banks:** 0  
**Port/Starboard Banks:** 0  
**Upper/Lower Banks:** 0  
**Missiles (Phasers) Total:** NA  
**Missile:** NA  
**Range:** NA  
**Output:** NA  
**Rate of Fire:** NA  
**Forward Bay:** 0  
**Rear Bay:** 0  
**Port Bay:** 0  
**Starboard Bay:** 0  
**Upper Bay:** 0  
**Lower Bay:** 0

## Craft Silhouettes

Total Target Area 81.12 m<sup>2</sup>  
 Average Target Area 10.14 m<sup>2</sup>



Top Silhouette  
 Area 33.88 m<sup>2</sup>

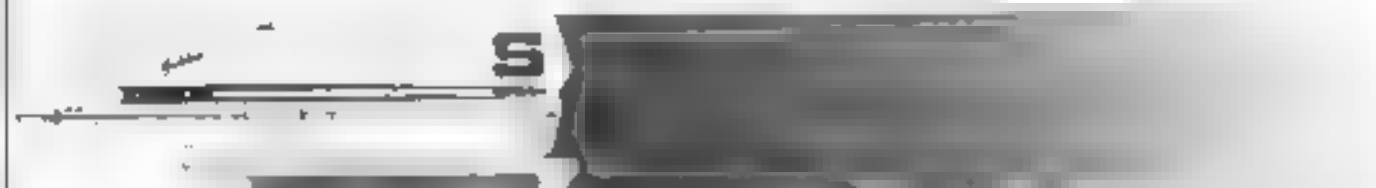


Port Silhouette  
 Area 18.38 m<sup>2</sup>



Front Silhouette  
 Area 7.83 m<sup>2</sup>

## Class Emblem



Galileo Class • Shuttlecraft





FEDERAL BUREAU OF INVESTIGATION



# TRAVEL POD



## General Information

**Specific Role:** The main purpose of the Travel Pod is for short range observation missions, and is generally used around construction sites for observation and transportation of work crews to their assignments. The Travel Pod is strictly a zeroing operational vehicle.

**Physical Description:** Located along the front of the pod is a large viewing canopy. Mounted on the rear of the pod are 32 reduced SMN-2 sensor packages. A (SMN-2A) docking ring provides access through the rear when attached to an airlock. Fine maneuvering of the pod is provided by reaction control thrusters on the rear of the rear. The Travel Pod is equipped with a M4-5-2-3A, reactionless gravitic drive system for primary propulsion.

For additional details refer to Datasheet MVD-1

## Class Emblem



## Statistics

<b>Classification:</b> Juv Pod	<b>Traitor Beams:</b> N/A
<b>Category:</b> Unmanned	<b>Tow Capacity:</b> N/A
<b>Class:</b> Travel	<b>Max Range:</b> N/A
<b>Type:</b> Juv 5	<b>Cargo Specification:</b>
<b>Model:</b> UP-1C	<b>Standard Cargo Units:</b> N/A
<b>Naval Construction Contract:</b> TP-15	<b>Cargo Capacity:</b> N/A
<b>Dispositions:</b>	<b>Shuttlecraft Specifications:</b>
<b>Overall Dimensions (Meters):</b>	<b>Docking Ports:</b> 1
<b>Length:</b> 4.4	<b>Cloaking Devices:</b> 0
<b>Width:</b> 1	<b>Sensor Index Values:</b>
<b>Height:</b> 6	<b>Planetary Survey:</b> 0.45
<b>Displacement (Metric Tons):</b>	<b>Galaxy Survey:</b> 0.215
<b>Light:</b> None	<b>Short Range:</b> 0.58
<b>Standard:</b> 1.00M	<b>Long Range:</b> 0.5
<b>Full Load:</b> 1.50M	<b>Navigation:</b> 0.02
<b>Performance:</b>	<b>Special:</b> 02
<b>Impulse Units:</b> Thrusters	<b>Computers:</b>
<b>Impulse Engine Output:</b> 7.5x10 <sup>5</sup> W	<b>Type:</b> Morley-Wayne 5.4
<b>Max Cruising:</b>	<b>Type:</b> N/A
<b>Acceleration Rate:</b>	<b>Shield Rating:</b>
0.00-0.25 Impulse 4.0x10 <sup>5</sup> W	<b>Heldoff Power:</b> 4.72x10 <sup>4</sup> W
0.25-0.50 Impulse 4.4	<b>Refresh Rate:</b> 34x10 <sup>4</sup> W
0.50-0.75 Impulse 4.4	<b>Breakdown Rate:</b> 1.6x10 <sup>14</sup> W
0.75 Full Impulse 4.4	<b>Shield Dimensions (Meters):</b>
<b>Warp Lights:</b> N/A	<b>Length:</b> 11
<b>Warp Engine Output:</b> 144	<b>Width:</b> 14.1
<b>Optimum Speed:</b> 4.4	<b>Height:</b> 3.3 m
<b>Max Safe Cruising:</b> N/A	<b>Weapons:</b>
<b>Emergency Speed:</b> 14.4	<b>Weapon Placement:</b>
<b>Max Speed:</b> 4	<b>Beam (Phasers) Total:</b> N/A
<b>Destructive Speed:</b> 14.4	<b>Output:</b> N/A
<b>Acceleration Power:</b> 0	<b>Range:</b> N/A
<b>Acceleration Times:</b>	<b>Rate of Fire:</b> N/A
Warp 1 Warp 2 N/A	<b>Forward Banks:</b> 0
Warp 2 Warp 3 4.4	<b>Rear Banks:</b> 0
Warp 3 Warp 4 N/A	<b>Port Banks:</b> 0
Warp 4 Warp 5 4.4	<b>Starboard Banks:</b> 0
Warp 5 Warp 6 N/A	<b>Upper Banks:</b> 0
Warp 6 Warp 7 N/A	<b>Lower Banks:</b> 0
Warp 7 Warp 8 N/A	<b>Beam (Heavy Phasers) Total:</b> N/A
Warp 8 Warp 9 N/A	<b>Output:</b> N/A
Warp 9 Warp 9.5 N/A	<b>Range:</b> N/A
Warp 9.5 Warp 9.75 N/A	<b>Rate of Fire:</b> N/A
Warp 9.75 Warp 9.9 N/A	<b>Forward Rear Banks:</b> 0
<b>Durations (Years):</b>	<b>Port Starboard Banks:</b> 0
<b>Standard:</b> 1.00M	<b>Upper/Lower Banks:</b> 0
<b>Max Moon P. 1.00M</b>	<b>Missions (Photons) Total:</b> N/A
<b>Std Ship Complement:</b>	<b>Shock:</b> N/A
<b>Crew:</b>	<b>Range:</b> N/A
<b>Passengers:</b> 7	<b>Output:</b> N/A
<b>Emergency condition:</b> 44	<b>Rate of Fire:</b> 0
<b>Transporters Total:</b> 0	<b>Forward Bay:</b> 0
<b>Person:</b>	<b>Rear Bay:</b> 0
<b>2 Person:</b> 1	<b>Port Bay:</b> 0
<b>8 Person:</b> 1	<b>Starboard Bay:</b> 0
<b>Small Cargo:</b> 0	<b>Upper Bay:</b> 0
<b>Medium Cargo:</b> 0	<b>Lower Bay:</b> 0

## Craft Silhouettes

Total Target Area 30.74 m<sup>2</sup>  
Average Target Area 10.25 m<sup>2</sup>

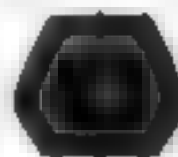


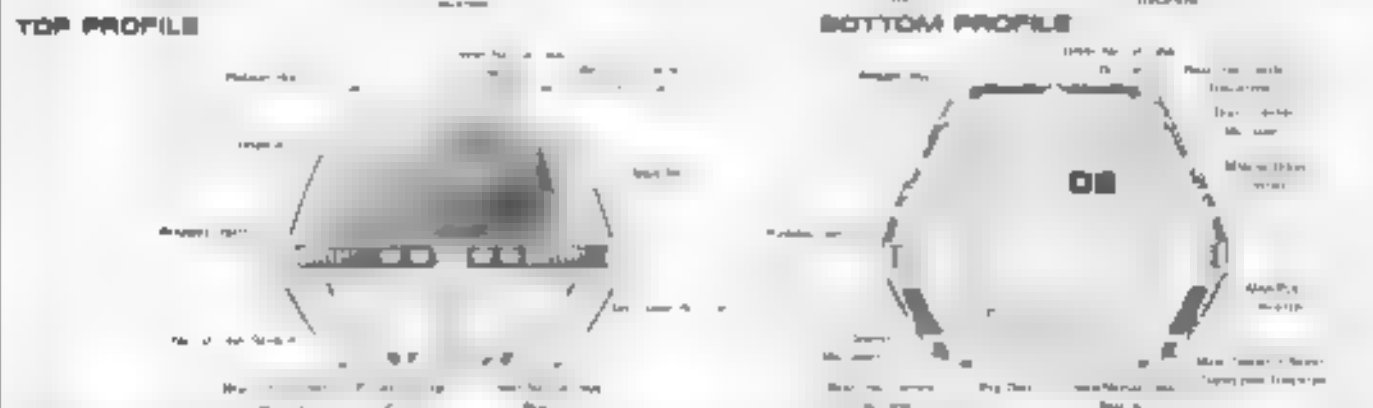
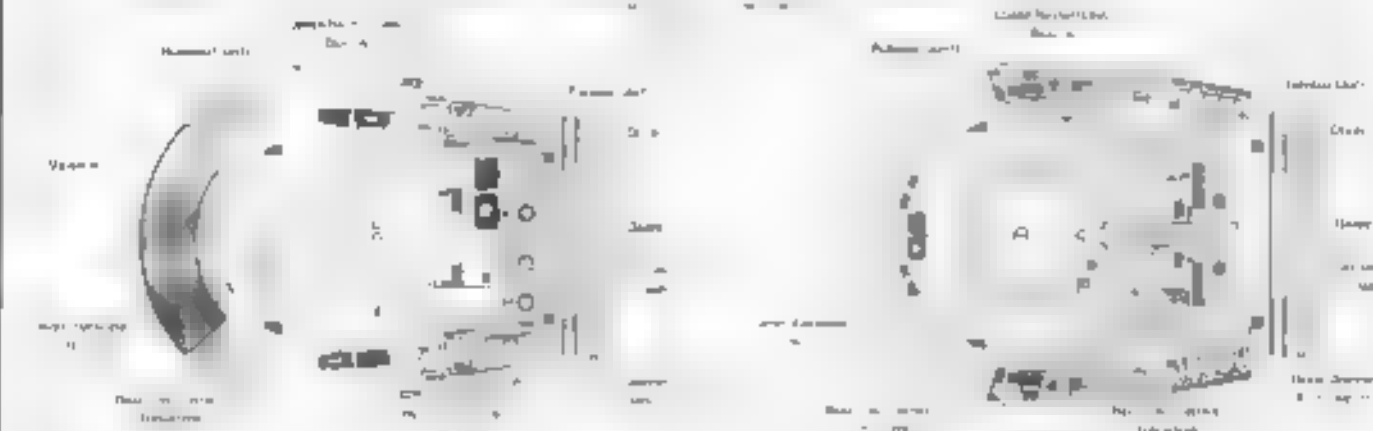
Top Silhouette  
Area 12.40 m<sup>2</sup>

Port Silhouette  
Area 1.00 m<sup>2</sup>

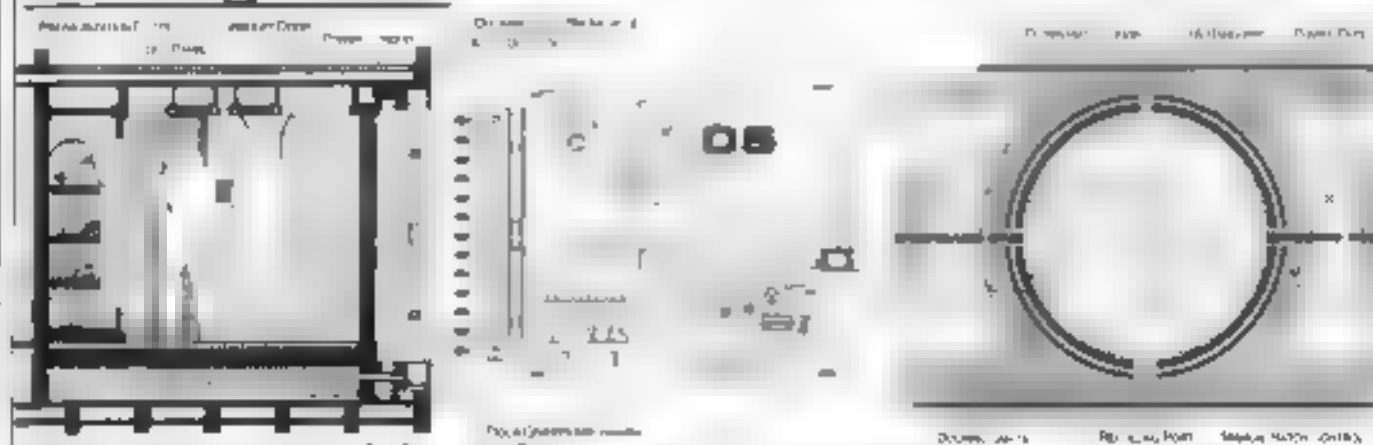


Front Silhouette  
Area 7.34 m<sup>2</sup>





## Docking Port



# TURBOLIFT (LIFEBOAT)



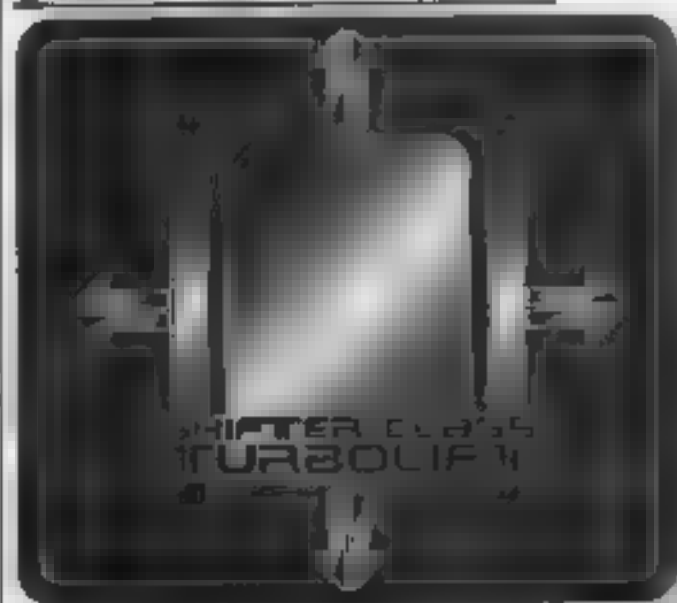
## General Information

**Specific Role:** Turbolifts are used for the transportation of personnel and supplies inside starships and starbases; however, during emergencies the turbolift cars can be used as lifeboats. During normal use, turbolift cars are positioned at each turbolift station allowing personnel reach the lifeboats from almost any location. During an evacuation, as soon as a lifeboat is full, it proceeds to an outside exit for jettisoning. The lifeline once ejected extends to one and a half its length, decreasing the internal volume from 2.67m to 24.94m, and can support up to eight people for four weeks. The turbolift cars move through the airlocks by acceleration rings located in the tube system.

The turbolift car is cylindrical with a large door located on the side. Located in the bottom is the emergency propulsion system and lifeboat sensors/equipment. On the top is the emergency beacon sensors and landing parachute. The interior is equipped with food rations and other standard survival equipment.

For additional detail refer to Datasheet MVU-1

## Class Emblem



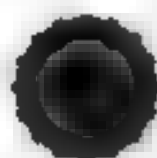
## Statistics

**Classification:** Turbolift (Lifeboat)  
**Category:** Turbolift  
**Class:** Shifter  
**Type:** Lifeboat  
**Model:** MVU-1  
**Naval Construction Contract:** TL 34  
**Dimensions:**  
**Overall Dimensions (Meters):**  
 Length: 2.67m  
 Width: 1.0m  
 Height: 66.537m  
**Displacement (Metric Tons):**  
 Light: 5.58mt  
 Standard: 6.38mt  
 Full Load: 12mt  
**Performance:**  
**Impulse Drive:** Single (IP18E4 TL)  
**Impulse Engine Output:** 4x10<sup>5</sup> W  
**Max Cruising:**  
**Acceleration Rate:**  
 0.00-0.25 Impulse: 0.137 sec  
 0.25-0.50 Impulse: N/A  
 0.50-0.75 Impulse: N/A  
 0.75 Full Impulse: N/A  
**Warp Core:** N/A  
**Warp Engine Output:** N/A  
**Optimum Speed:** N/A  
**Max Safe Cruising:** N/A  
**Emergency Speed:** N/A  
**Max Speed:** N/A  
**Destructive Speed:** N/A  
**Acceleration Power:** N/A  
**Acceleration Time:**  
 Warp 1: Warp 2: N/A  
 Warp 3: Warp 4: N/A  
 Warp 5: Warp 6: N/A  
 Warp 7: Warp 8: N/A  
 Warp 9: Warp 10: N/A  
 Warp 11: Warp 12: N/A  
 Warp 13: Warp 14: N/A  
 Warp 15: Warp 16: N/A  
 Warp 17: Warp 18: N/A  
 Warp 19: Warp 20: N/A  
**Duration (Years):**  
 Standard: 5 Years  
 Maximum: 20 Years  
**MSD Ship Complement:** 0  
**Crew:**  
 Passenger: 0  
 Emergency condition: +2  
**Transporters Total:** 0  
 1 Person: 0  
 2 Person: 0  
 3 Person: 0  
 Small Cargo: 0  
 Medium Cargo: 0

**Traitor Beams:** 0  
**Tor Capacity:** N/A  
**Max Range:** N/A  
**Cargo Specification:**  
 Standard Cargo Units: N/A  
 Cargo Capacity: N/A  
**Starbase Specifications:**  
 Docking Ports: 0  
**Shielding Devices:** 0  
**Sensor Index Values:**  
 Planetary Survey: 0.823  
 Stellar Survey: 0.225  
 Short Range: 1.011  
 Long Range: 0.350  
 Navigation: 0.125  
 Special: 0.12  
**Computers:**  
 Type: Noray-Magne 5's  
 Type: N/A  
**Shield Rating:**  
 Shield Power: 4.72x10<sup>4</sup> W  
 Refresh Rate: 1.34x10<sup>4</sup> W  
 Breakdown Rate: 61x10<sup>4</sup> W  
 Shield Dimensions (Meters):  
 Length: 1.0m  
 Width: 3.2m  
 Height: 4.82m  
**Weapons:**  
**Weapon Placement:**  
**Beam (Photon) Total:** N/A  
 Output: N/A  
 Range: N/A  
 Rate of Fire: N/A  
 Forward Banks: 0  
 Rear Banks: 0  
 Port Banks: 0  
 Starboard Banks: 0  
 Upper Banks: 0  
 Lower Banks: 0  
**Beam (Heavy Photon) Total:** 0  
 Output: N/A  
 Range: N/A  
 Rate of Fire: N/A  
 Forward/Rear Banks: 0  
 Port/Starboard Banks: 0  
 Upper/Lower Banks: 0  
**Missiles (Photon) Total:** N/A  
 Stock: N/A  
 Range: N/A  
 Output: N/A  
 Rate of Fire: N/A  
 Forward Bay: 0  
 Rear Bay: 0  
 Port Bay: 0  
 Starboard Bay: 0  
 Upper Bay: 0  
 Lower Bay: 0

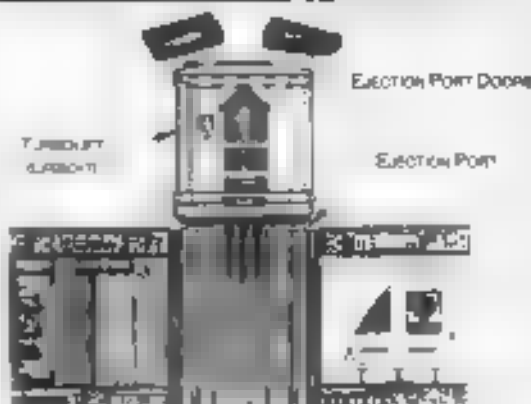
## Craft Silhouettes

Total Target Area 81.10, 31.22 m<sup>2</sup>  
 Average Target Area 7.03, 10.63 m<sup>2</sup>



**Top Silhouette:** Area 0.68, 0.81 m<sup>2</sup>  
**Front Silhouette:** Area 7.70, 18.78 m<sup>2</sup>  
**Port Silhouette:** Area 7.71, 18.80 m<sup>2</sup>

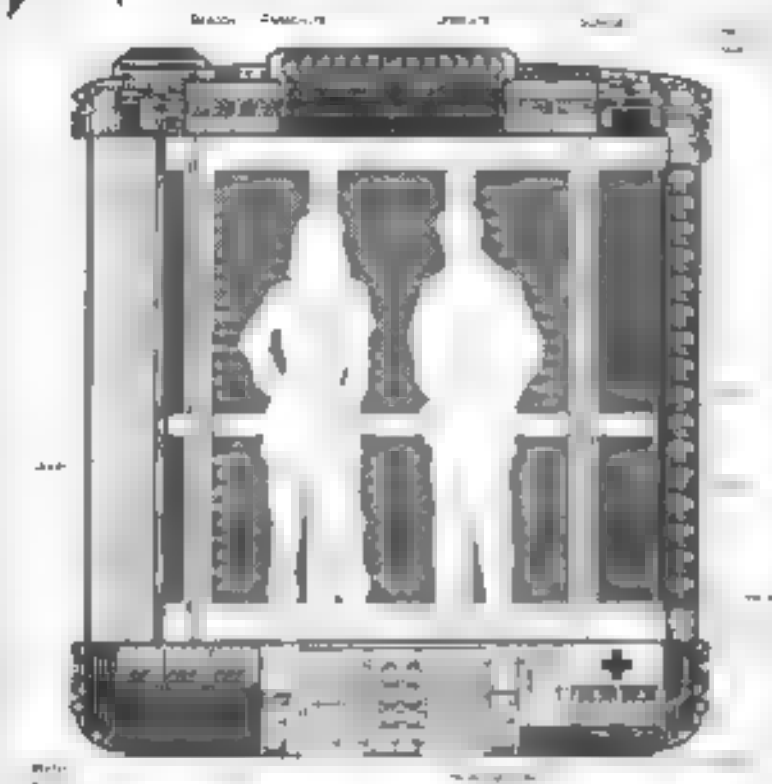
## Turbolift Ejection



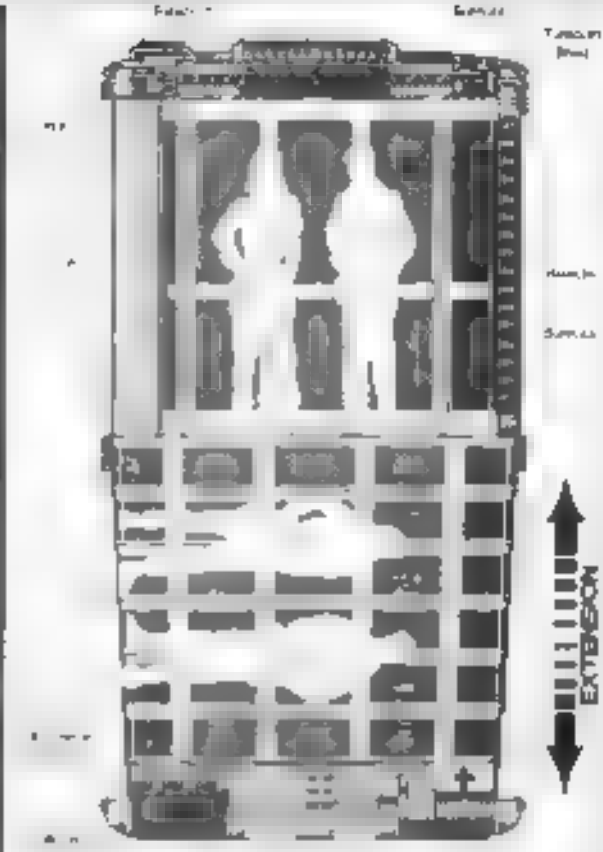


# TURBOLIFT (LIFEBOAT)

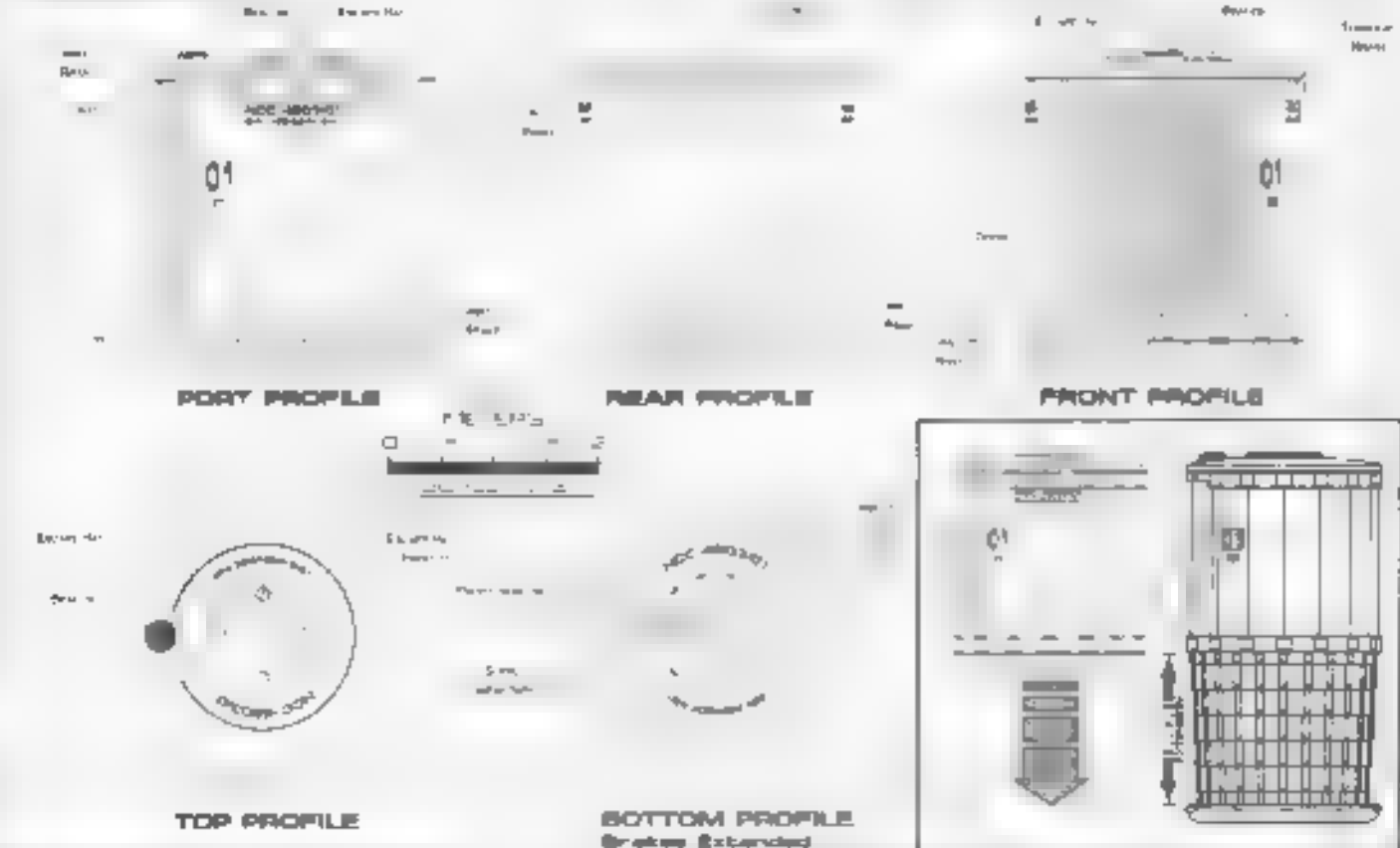
SHIFTER CLASS



**CROSS SECTION**  
Enlarged for Clarity



**CROSS SECTION**  
Extended (Lifeboat)



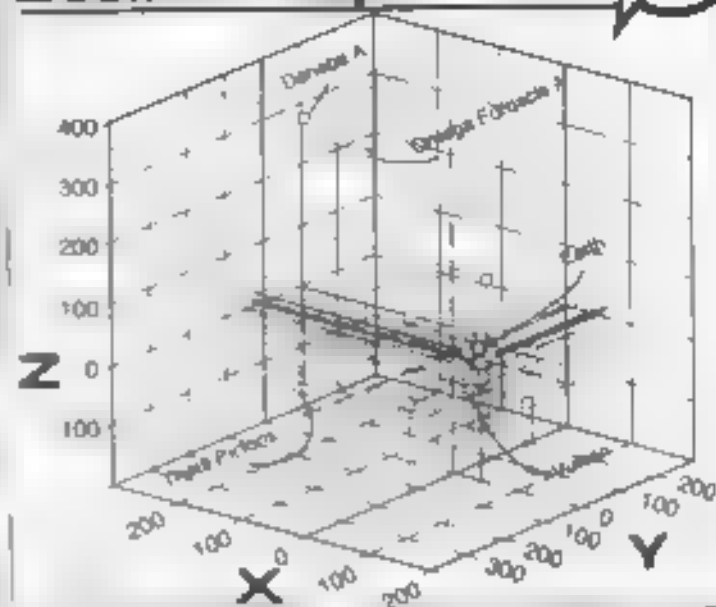
FEDERATION CRAFT

# DRYDOCKS

## General Information

The Dry Dock facilities are designed for the construction and repair of starships. Drydocks are equipped with ultra-accurate sensors to provide the construction facility with a reference grid for precision positioning of components. Large work lights provide ample illumination throughout the work area. Some facilities are equipped with offices, living space, shops and hangars. Other facilities are flexible and can be expanded to accommodate a wide variety of repair and construction jobs. Most facilities must be towed to their destination or work area, while others are designed to propel themselves to wherever their services are required.

## Stellar Map



## Major Dry Docks\*\*

Yard Name	Planet	System	Builder	Coordinates	Dry Dock Type	Production		Construction		Type
						Military	Civilian	Military	Civilian	
Antares Ship Yards	Antares III	Antares	Antares	43 3 0	0 3 0 0	3	51	41	38	D
Burrough Industries	Sauna	JL 1 2	JL 1 2	43 3 0	1 1 0 0	3	24	78	78	D
Bokkook Military Installation	Uru	Egware Booby	Egware Booby	4 4 8 6	3 4 5 1	13	25	88	31	B
Braving Matsushima	Zeta Tucanae III	Zeta Tucanae	Zeta Tucanae	4 4 8 6	2 1 0 0	3	70	30	36	D
Brendon Construction Complex	Earth	Syl	Syl	4 4 8 6	5 2 1 0	9	40	60	40	C
Caribbean Naval Center	Deneb 5	Deneb 4	Deneb 4	4 4 4 382 51	3 2 5 0	0	21	79	8	C
Catharine Industries	Alpha Centauri VI	Alpha Centauri	Alpha Centauri	4 4 4 382 51	7 5 2 3	7	15	85	85	A
Charm Shipyards	Argesius II	Argesius B	Argesius B	4 4 4 382 51	0 1 0 4	5	00	0	34	C
Cinderella's Industries	Luna	Sa	Sa	4 4 4 382 51	3 0 2 0	5	6	38	2	B
Empire Space Facilities	Aurilla	Xi Hercules	Xi Hercules	4 4 4 382 51	0 2 0 3	3	34	48	2	D
Fujia Assembly Installation	Eta Serpentis	Serpentis	Serpentis	4 4 4 382 51	2 2 0 0	4	44	66	65	D
Gateway Assembly Area	Melissa	Xi Hercules	Xi Hercules	4 4 4 382 51	0 3 1 0	4	90	10	35	C
Hamshire Ship Works	Crux III	Crux	Crux	4 4 4 382 51	2 3 0 0	5	100	0	38	C
Hartall Outworks	Crux III	Crux	Crux	4 4 4 382 51	0 2 0 0	3	45	55	22	D
Karnison Space Facility	Janus VI	Janus	Janus	4 4 4 382 51	2 2 0 3	4	2	78	58	A
Larkins Assembly Dock	Kalvus	Tar Cas	Tar Cas	4 4 4 382 51	3 1 0 0	4	21	79	22	D
Mawha Fields	Ankor	Epsilon IX	Epsilon IX	4 4 4 382 51	2 2 1 0	6	85	35	34	C
Meenier Ship Works	Rigel IV	Rigel	Rigel	4 4 4 382 51	4 0 7 3	4	25	75	22	B
Merix Spacecity	Bermyar	Gamma Kappa	Gamma Kappa	4 4 4 382 51	4 3 1 2	0	88	12	82	B
Miami Naval Yards	Earth	Syl	Syl	4 4 4 382 51	4 1 0 1	6	60	40	60	C
New Aberdeen Yards	Akterbaran III	Alpha Tau	Alpha Tau	4 4 4 382 51	2 2 0 1	5	30	70	20	C
Orlial Assembly Station	Starboard 16	Minister 2	Minister 2	4 4 4 382 51	3 1 2 1	7	54	46	11	C
Painton Assembly Station	Delta	Deneb Tau	Deneb Tau	4 4 4 382 51	0 3 0 0	3	85	35	90	D
Quinn Assembly Yards	Argo	VF 3808	VF 3808	4 4 4 382 51	4 0 0 0	4	54	46	34	C
Riviera Assembly Yards	Can	Can	Can	4 4 4 382 51	0 2 3 6	6	8	87	50	C
Rivington Yards	Makus III	Makus	Makus	4 4 4 382 51	2 2 0 5	5	80	20	40	C
San Francisco Yards	Earth	Syl	Syl	4 4 4 382 51	1 3 5 16	3	3	97	10	A
Shane Yards	Actar	Cygnus D	Cygnus D	4 4 4 382 51	2 0 0 3	3	8	22	65	D
Starbase 2	Gamma 400 III	Gamma 400	Gamma 400	4 4 4 382 51	1 2 1 0	4	58	44	33	D
Starfleet Division	Deneb II	Deneb 4	Deneb 4	4 4 4 382 51	2 4 3	10	21	79	27	B
Stator Rotterdam	Buram 5	Buram 5	Buram 5	4 4 4 382 51	0 0 3 0	3	54	46	34	D
Tiburin Construction Yards	Tiburin	Omega Fornax A	Omega Fornax A	4 4 4 382 51	0 1 2 0	3	68	32	32	C
Tridans Star vessels 10	Vulcan	41 Fornax	41 Fornax	4 4 4 382 51	4 1 2 0	7	78	22	15	B
Urbanis Construction Site	Danzen 5	Danzen 5	Danzen 5	4 4 4 382 51	3 1 0 0	4	90	0	44	C
Utopia Planitia Starfleet Yards	Mars	Sa	Sa	4 4 4 382 51	1 2 5 15	15	2	98	4	A
Varus Space Dock	Betazed	Beta Veldorin	Beta Veldorin	4 4 4 382 51	2 2 0 5	5	97	3	54	C
Vega Shipyards	Vega	Alpha Centauri	Alpha Centauri	4 4 4 382 51	2 5 0 0	7	45	55	28	C
Vikans Space Facilities, Inc	Vulcan	41 Fornax	41 Fornax	4 4 4 382 51	5 5 2 3	15	90	10	70	A
Waters Installation	Beta VI	Beta	Beta	4 4 4 382 51	1 5 0	5	85	35	12	C
Xarelis Works	Tellar	6 Cygnus	6 Cygnus	4 4 4 382 51	1 2 0 0	3	27	73	40	D
Total					27	100	95	56	34	298

Dry Dock Type: Lists the number and types of drydocks at each yard.

Production: Lists the percent of military and civilian craft that are produced at each yard.

Construction: Lists the percent of new construction and repair at each yard.

Notes: Designates the construction level of the dry docks. The best facilities are the Class A which are normally used for the construction of Class I Starships.

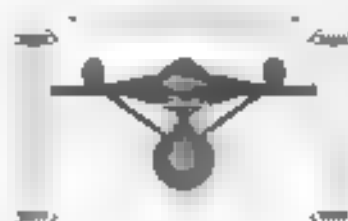
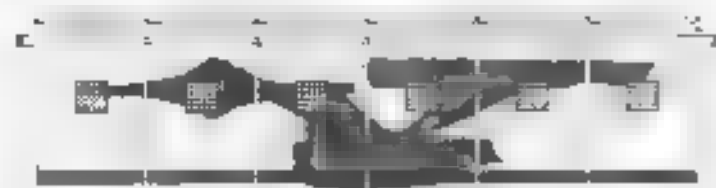
Type II Dry Docks are normally located at these installations when not needed in greater numbers.

Additional construction companies (Class E) and lesser dry docks from the facilities listed here.

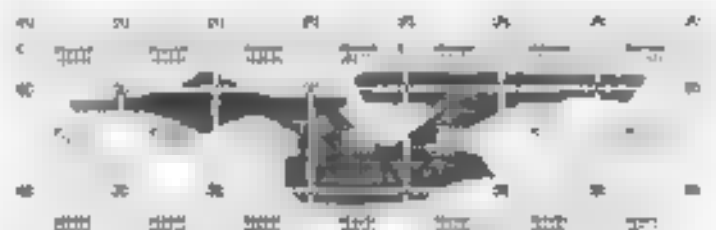




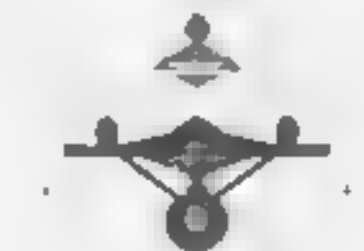
## Size Comparison



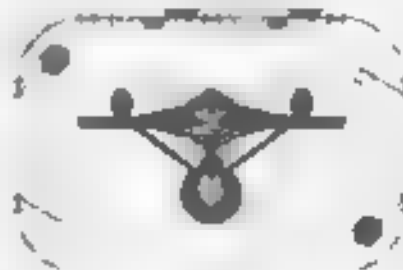
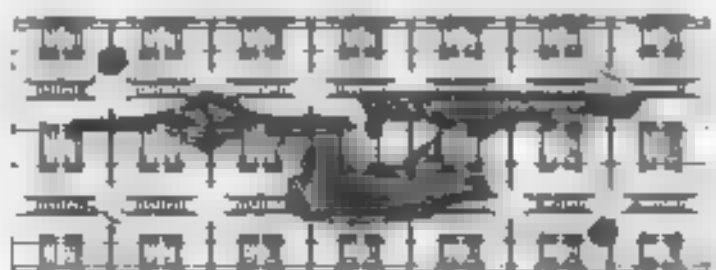
Type I  
Dry Dock



Type II  
Dry Dock



Type III  
Dry Dock



Type IV  
Dry Dock

METERS  
0 20 40 60 80 100

# DRY DOCK TYPE I



## General Information

**Specific Role:** Although old, these facilities are still used at many construction yards. For larger vessels, the facility may have additional sections added to accommodate the additional length. This facility is generally used in the production and repair of civilian and research vessels.

**Physical Description:** The facility is made up of six 20 x 60 x 100 tubular sections. The work area is equipped with 24 10 x 20 x 50 high power light banks, twelve located in the top and six on each side. These light banks are supported by duralloy support cables. At each corner of the drydock is a 200-300-450W hangar deck. Along the inner sides of the frame are 360 x 10 x 45 inertial dampeners to help control the movement of the ship and parts within the dock. Along the spine are 49 50 x 250 x 1 positioning sensors for determining the exact location and positioning of the parts in the construction area.

For additional detail refer to Datasheet MVDD-1.

## Class Emblem

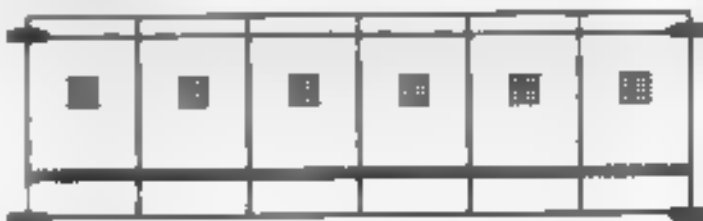


## Facility Silhouettes

Total Target Area 180789.67 m<sup>2</sup>  
Average Target Area 30131.61 m<sup>2</sup>



Top Silhouette  
Area 108008.70 m<sup>2</sup>



Port Silhouette  
Area 71488.46 m<sup>2</sup>

Front Silhouette  
Area 1388.31 m<sup>2</sup>





# DRY DOCK TYPE II

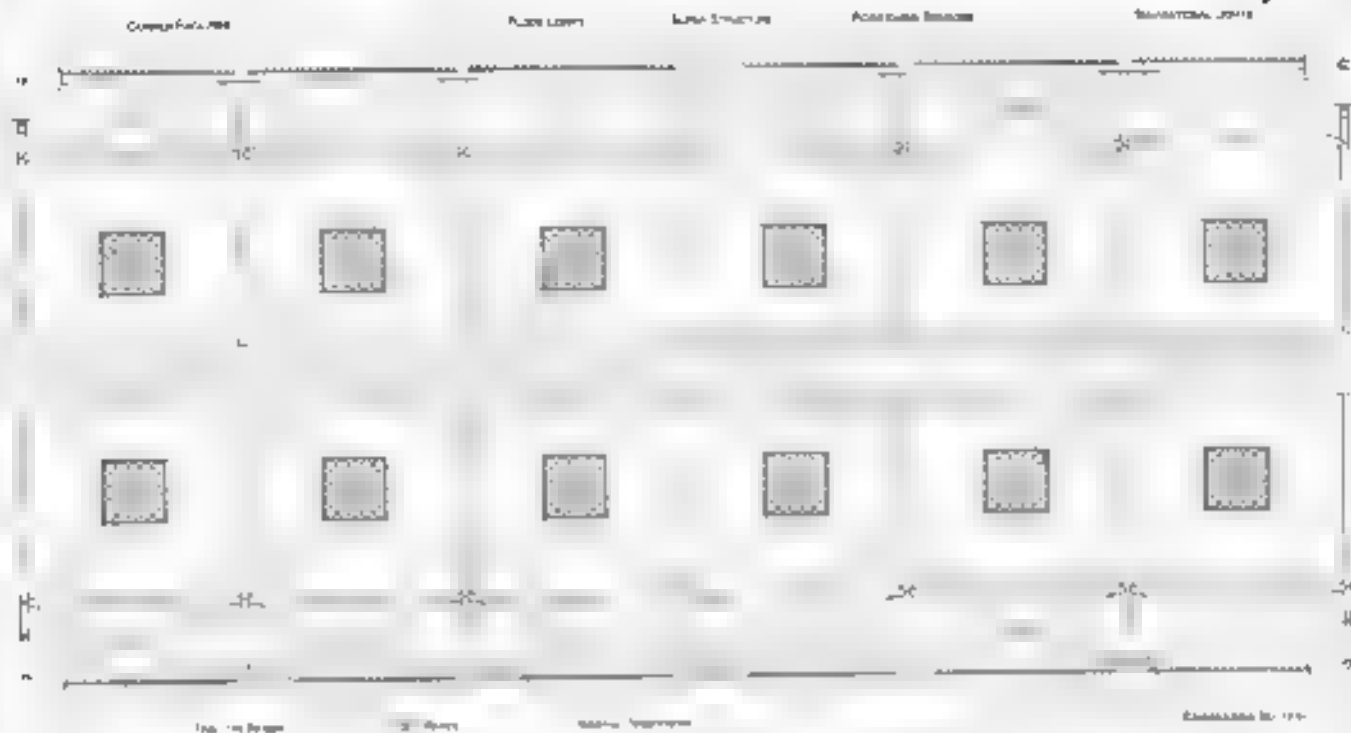
ROMAN CLASS



<b>Classification</b> Dry Dock <b>Category</b> Type <b>Class</b> Roman <b>Type</b> Joss 4 <b>Model</b> Type <b>Naval Construction Contract</b> 100 <b>Number Proposed</b> 100 <b>Number Constructed</b> 100 <b>Number In Service</b> 85 <b>Number Lost</b> 5 <b>Modifications</b> <b>Overall Dimensions (Meters)</b> Length: 370.50m Width: 160.87m Height: 87.4m <b>Displacement (Metric Tons)</b> Light: 10,200mt Standard: 10,600mt Full Load: 11,200mt	<b>Duration (Years)</b> Standard: 30 Years Maximum: 60 Years <b>Std. Facility Complement: +50</b> Officers: 20 Crew (Design Order): 130 Emergency condition: +200 <b>Medical Facilities</b> Doctors: 1 Medical Staff: 10 Operating Rooms: 5 Beds: 5 <b>Transportation Total: 10</b> 1 Person: 0 2 Person: 0 4 Person: 4 12 Person: 0 22 Person: 0 Small Cargo: 2	<b>Medium Cargo: 2</b> <b>Large Cargo: 2</b> <b>Super Cargo: 0</b> <b>Replicators: 4</b> <b>Major Tractor Beams: 1</b> Low Capacity: 3" x 0.0m Max Range: 9" x 0.0m <b>Minor Tractor Beams</b> Low Capacity: 3" x 0.0m Max Range: 4" x 0.0m <b>Cargo Specifications</b> Standard Cargo Deck: 100 Cargo Capacity: 5,000mt <b>Shuttlecraft Specifications</b> Shuttlecraft Bay Total: 5 Small Bay: 8 Medium Bay: 0 Large Bay: 0 Super Bay: 0	<b>Shuttlecraft Standard: 83</b> Work Room: 20 Tow Shuttle: 5 Work Shuttle: 15 Travel Pods: 5 Light Shuttle: Standard Shuttle: 3 Heavy Shuttle: 1 Cargo Shuttle: 0 Lifeboats: 10 Turbolift (8 person): 4 Lifeboat (10 person): 0 Lifeboat (20 person): 0 Lifeboat (30 person): 0 <b>Sensor Index Values</b> Alignment Sensor: 101 <b>Computers: 2</b> Type: Teutonic Duplicator II Type: Teutonic Duplicator II
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OPERATION FACILITY

# DRY DOCK TYPE I



**BOTTOM PROFILE**



**REAR PROFILE**



# DRY DOCK TYPE II



## General Information

**Specific Role:** This versatile drydock is designed to adjust its shape to closely match the configuration of the subject vessel. Additional sections may be added so that the frame can surround larger vessels. The extreme flexibility of the structure causes it to have less integral strength than some facilities which makes it unsuitable for more hazardous locations.

**Physical Description:** The facility is made up of eight (DD F7 2A) rigid sections. These sections are connected to each other with flexible couplings. The work area is equipped with 42 (LF/S-B) high power light banks which are supported by durable cables throughout the atmosphere. Attached to each light bank is an (SP/230 Z) positioning sensor for determining the exact location and positioning of the components for construction. Located at each joint is an (DI/200-TS) inertia dampener to help control the movement of the ship and components in the construction area.

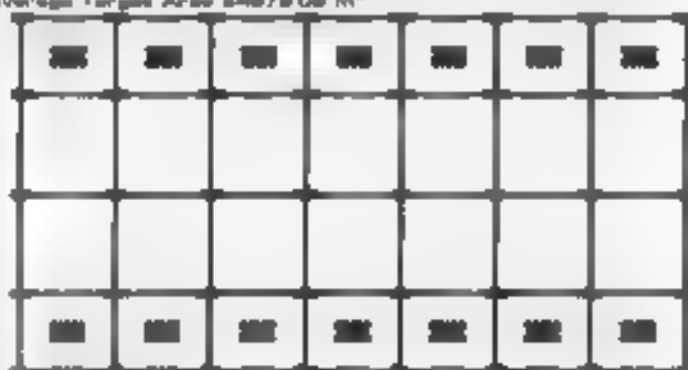
For additional detail refer to Datasheet MVDD-2

## Class Emblem

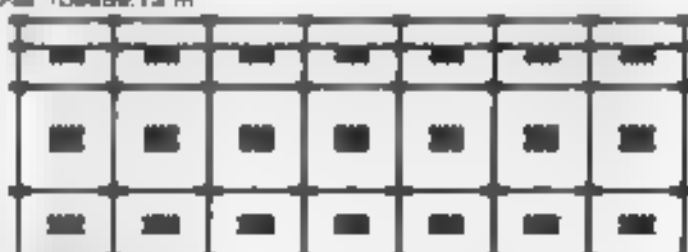


## Facility Silhouettes

Total Target Area 15468.88 m<sup>2</sup>  
Average Target Area 5489.63 m<sup>2</sup>



Top Silhouette  
Area 10666.12 m<sup>2</sup>



Front Silhouette  
Area 54815.48 m<sup>2</sup>

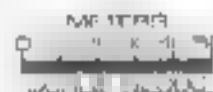


Front Silhouette  
Area 1341.88 m<sup>2</sup>





## FEDERATION FACILITY



SFMA-1 04:02:02:03



# DRY DOCK TYPE II

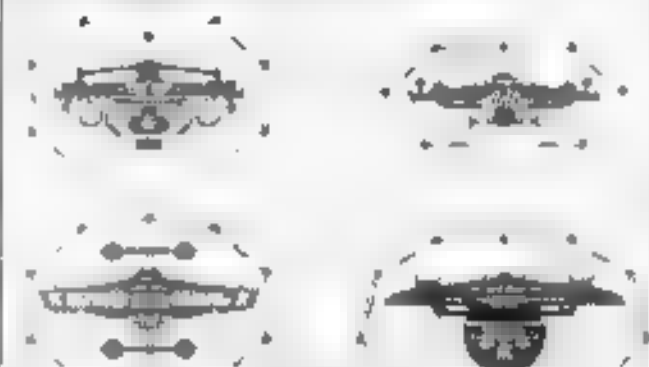
## Facility Names

THE FOLLOWING SHIPS OF THE TYPE II CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2269.4

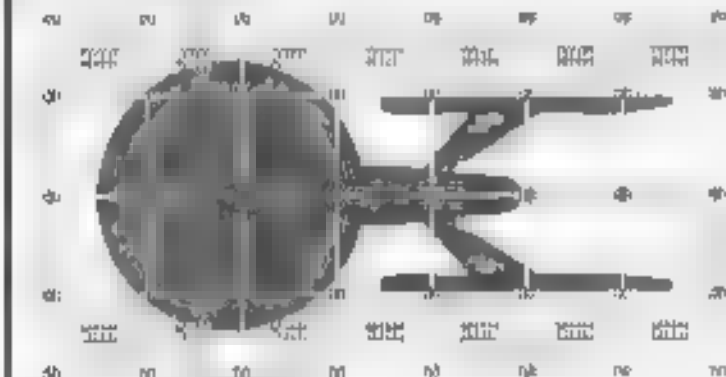
PHARACH 1 SFDO 200	PHARACH 25 SFDO 225	PHARACH 50 SFDO 250	PHARACH 75 SFDO 275
PHARACH 2 SFDO 201	PHARACH 26 SFDO 226	PHARACH 51 SFDO 251	PHARACH 76 SFDO 276
PHARACH 3 SFDO 202	PHARACH 27 SFDO 227	PHARACH 52 SFDO 252	PHARACH 77 SFDO 277
PHARACH 4 SFDO 203	PHARACH 28 SFDO 228	PHARACH 53 SFDO 253	PHARACH 78 SFDO 278
PHARACH 5 SFDO 204	PHARACH 29 SFDO 229	PHARACH 54 SFDO 254	PHARACH 79 SFDO 279
PHARACH 6 SFDO 205	PHARACH 30 SFDO 230	PHARACH 55 SFDO 255	PHARACH 80 SFDO 280
PHARACH 7 SFDO 206	PHARACH 31 SFDO 231	PHARACH 56 SFDO 256	PHARACH 81 SFDO 281
PHARACH 8 SFDO 207	PHARACH 32 SFDO 232	PHARACH 57 SFDO 257	PHARACH 82 SFDO 282
PHARACH 9 SFDO 208	PHARACH 33 SFDO 233	PHARACH 58 SFDO 258	PHARACH 83 SFDO 283
PHARACH 10 SFDO 209	PHARACH 34 SFDO 234	PHARACH 59 SFDO 259	
PHARACH 11 SFDO 210	PHARACH 35 SFDO 235	PHARACH 60 SFDO 260	
PHARACH 12 SFDO 211	PHARACH 36 SFDO 236	PHARACH 61 SFDO 261	
PHARACH 13 SFDO 212	PHARACH 37 SFDO 237	PHARACH 62 SFDO 262	
PHARACH 14 SFDO 213	PHARACH 38 SFDO 238	PHARACH 63 SFDO 263	
PHARACH 15 SFDO 214	PHARACH 39 SFDO 239	PHARACH 64 SFDO 264	
PHARACH 16 SFDO 215	PHARACH 40 SFDO 240	PHARACH 65 SFDO 265	
PHARACH 17 SFDO 216	PHARACH 41 SFDO 241	PHARACH 66 SFDO 266	
PHARACH 18 SFDO 217	PHARACH 42 SFDO 242	PHARACH 67 SFDO 267	
PHARACH 19 SFDO 218	PHARACH 43 SFDO 243	PHARACH 68 SFDO 268	
PHARACH 20 SFDO 219	PHARACH 44 SFDO 244	PHARACH 69 SFDO 269	
PHARACH 21 SFDO 220	PHARACH 45 SFDO 245	PHARACH 70 SFDO 270	
PHARACH 22 SFDO 221	PHARACH 46 SFDO 246	PHARACH 71 SFDO 271	
PHARACH 23 SFDO 222	PHARACH 47 SFDO 247	PHARACH 72 SFDO 272	
PHARACH 24 SFDO 223	PHARACH 48 SFDO 248	PHARACH 73 SFDO 273	
PHARACH 25 SFDO 224	PHARACH 49 SFDO 249	PHARACH 74 SFDO 274	

CLASS SHIP, 100% IN THE LINE OF DUTY. \*\*2269.4\*\*

### Additional Shapes



### SIDE PROFILE WITH HEAVY CRUISER



### TOP PROFILE WITH HEAVY CRUISER



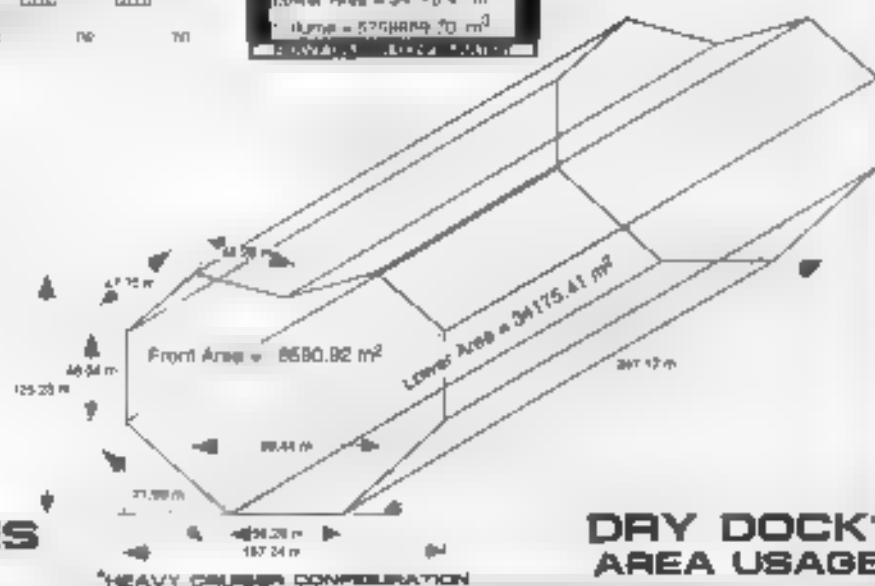
### FRONT PROFILE WITH HEAVY CRUISER



### DRY DOCK PROFILES WITH HEAVY CRUISER

SRMA-1 04:02:02:04

DRY DOCK DIMENSIONS	
Max. Length	34.14 m
Max. Width	187.24 m
Max. Height	125.23 m
Front Area	16590.92 m <sup>2</sup>
Lower Area	34175.41 m <sup>2</sup>
Volume	575889.70 m <sup>3</sup>



### DRY DOCK AREA USAGE

STARFLEET REFERENCE MANUAL

PHARACH CLASS

FEDERATION FACILITY

# DRY DOCK TYPE III



## General Information

**Specific Role:** Mobile dry docks are useful for reaching disabled vessels to remote locations and setting up temporary repair facilities. The facilities were designed for use by the ordinary as advanced repair bases. When not needed at remote locations the dock proceeds to a shipyard there is no need of additional facilities for repair work. The facility is very rigid which allows it to travel at warp speeds. For transportation the sides fold up under the center section.

**Physical Description:** The facility is made up of five rigid sections. The five sections are hinged to each other which enables the facility to fold up during transportation. The center section houses the main components of the shipyard/drydock. The center section is equipped with the (DS10/F-T1) bridge. On the lower part of the center section is the (SM49/20) main sensor array and (DN1/20) navigation dome. The work area is equipped with 42 (LF/5-B) high power light fixtures located in six rows of seven dunks. These light dunks are supported by durability support cables. Located on the forward section of the center section is the hanger deck. On the underside of the center section are 4 (M/200/15) inertial dampeners to help control the waves sent off the ship and parts that are used in construction. Located on the side of the center section is a (SP/230-2) positioning sensor for determining the exact location and positioning of the parts used for construction. On the rear of the center section are the (L/400/20) dual high probe units which are used for auxiliary power ion only warp propulsion. The craft is propelled at warp by a single (SM/20/500) warp particle gun. Above and to the rear of the center section the warp nacelle is attached to the center section by a (M/40-150) connecting drossel. Inside the drossel is the (M20/10) inertial chamber and (AMH/10-20) insulator/abductor storage tanks. The matter/antimatter storage tanks are positioned to the rear of the connecting drossel for emergency recharging.

For additional detail refer to Datasheet MV10-7

## Class Emblem



## Ship Silhouettes

Total Target Area 136888.08 m<sup>2</sup> 71478.88 m<sup>2</sup>  
Average Target Area 46629.36 m<sup>2</sup> 23814.96 m<sup>2</sup>



Top Silhouette

Area 9' 30' 90 m<sup>2</sup> 8978.88 m<sup>2</sup>



Port Silhouette

Area 72048.84 m<sup>2</sup> 11287.88 m<sup>2</sup>



Front Silhouette

Area 1489.68 m<sup>2</sup> 1489.68 m<sup>2</sup>



A metric ruler with markings every millimeter and labels every centimeter from 0 to 5.

## Statistics

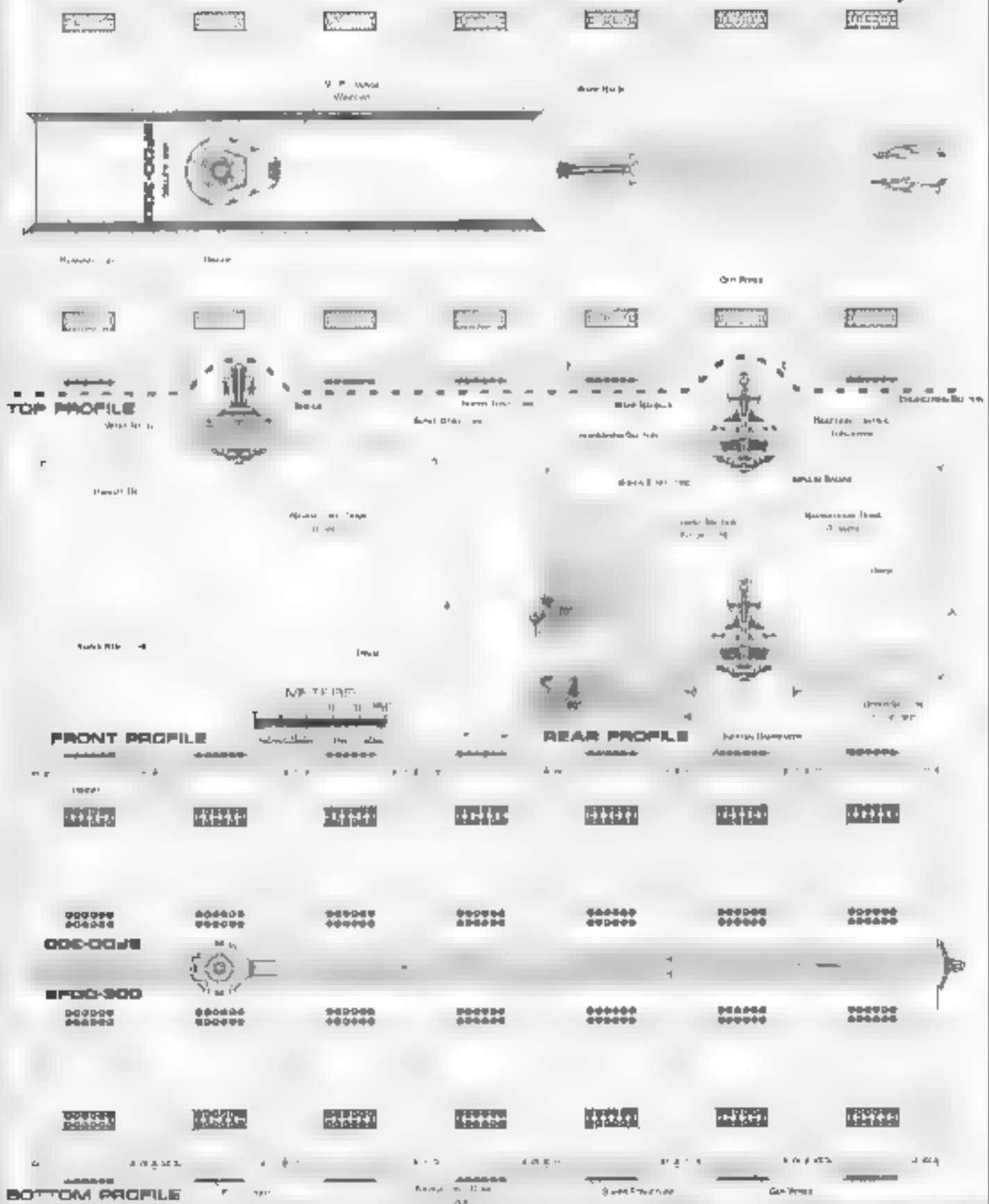
Impulse Inputs: Dual Inl (PFC 32/32-CH)  
Impulse Engine Output:  $7 \times 10^{-12}$  W  
Impulse Power Index: 0.50  
Max Crusting:  
Acceleration Rate:  
0.00-0.25 Impulse: 0.27 sec  
0.25-0.50 Impulse: 0.78 sec  
0.50-0.75 Impulse: 0.74 sec  
0.75-Peak Impulse: 0.408 sec  
Warp Units: Nucleo L7018 94552x.544  
Warp Engine Output:  $8 \times 10^{-6}$  W  
Warp Power Index: 0.7

Laborer: 0  
 Transporters Total: 10  
 1 Person: 1  
 2 Person: 0  
 3 Person: 4  
 12 Person: 0  
 13 Person: 0  
 Small Cargo: 2  
 Medium Cargo: 2  
 Large Cargo: 0  
 Super Cargo: 0

Type: Daystrom-DuPont-III  
Type: Daystrom-DuPont-IIIc

Green: N/A  
 Storage: N/A  
 Design: N/A  
 Rate of Fire: N/A  
 Forward Bay: 0  
 Rear Bay: 0

Port Bay: 0  
Starboard Bay: 0  
Upper Bay: 0  
Lower Bay: 0







# DRY DOCK TYPE III

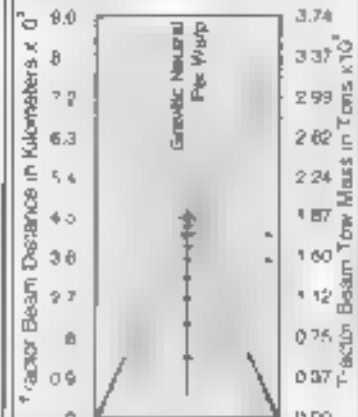
## Ship Names

THE FOLLOWING SHIPS OF THE TYPE III CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2272.3

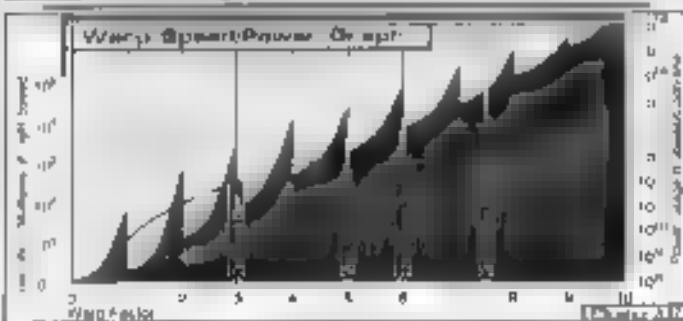
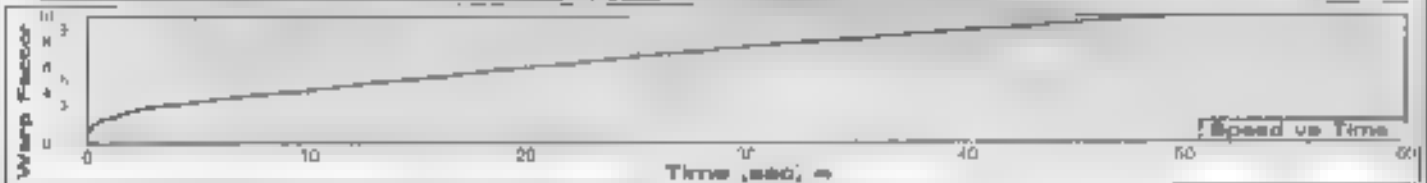
AZTEL 15	SFD0-425	AZTEL 50	SFD0-150
AZTEL 26	SFD0-326	AZTEL 51	SFD0-151
AZTEL 27	SFD0-327	AZTEL 52	SFD0-152
AZTEL 28	SFD0-328	AZTEL 53	SFD0-153
AZTEL 29	SFD0-329	AZTEL 54	SFD0-154
AZTEL 30	SFD0-330	AZTEL 55	SFD0-155
AZTEL 31	SFD0-331	AZTEL 56	SFD0-156
AZTEL 32	SFD0-332	AZTEL 57	SFD0-157
AZTEL 33	SFD0-333	AZTEL 58	SFD0-158
AZTEL 34	SFD0-334	AZTEL 59	SFD0-159
AZTEL 35	SFD0-335	AZTEL 60	SFD0-160
AZTEL 36	SFD0-336	AZTEL 61	SFD0-161
AZTEL 37	SFD0-337	AZTEL 62	SFD0-162
AZTEL 38	SFD0-338	AZTEL 63	SFD0-163
AZTEL 39	SFD0-339	AZTEL 64	SFD0-164
AZTEL 40	SFD0-340	AZTEL 65	SFD0-165
AZTEL 41	SFD0-341	AZTEL 66	SFD0-166
AZTEL 42	SFD0-342	AZTEL 67	SFD0-167
AZTEL 43	SFD0-343	AZTEL 68	SFD0-168
AZTEL 44	SFD0-344	AZTEL 69	SFD0-169
AZTEL 45	SFD0-345	AZTEL 70	SFD0-170
AZTEL 46	SFD0-346	AZTEL 71	SFD0-171
AZTEL 47	SFD0-347	AZTEL 72	SFD0-172
AZTEL 48	SFD0-348	AZTEL 73	SFD0-173
AZTEL 49	SFD0-349	AZTEL 74	SFD0-174
AZTEL 50	SFD0-350	AZTEL 75	SFD0-175

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASS SHIP, LISTED IN THE LOG OF DUTY, "PROPOSED" ALL NAMES PRECEDED WITH "A.S.M."



Field Length: 578.40m  
Field Width: 88.88m  
Field Height: 71.64m

Front Warp Field Profile  
Cross Section Area: 12225.52 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area: 24225.52 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area: 120378.13 m<sup>2</sup>

# DRY DOCK TYPE IV

## General Information



**Specific Role:** The Dry Dock Type IV is the replacement for the aging Type I. The Type IV is an extremely modular facility designed to be expanded to include repair and construction jobs as large as spinnaker ships.

**Physical Description:** The facility is made up of 14 (DL/M2-25) modular side sections, 28 (DD/M2-30) curved sections and 14 (H/60-R20) hangar storage sections. Each modular section is equipped with a (LF/2-C) dual high power light bank for a total of 56 units. Three (gh) banks are supported by bars and duranoy cables. Additional lighting is provided by (MLF/43-A) adjustable floodlights that can be positioned as needed. Along the underside of the hangar/storage facility are the 120 (ID-148-A) inertial dampeners to help control movement of the ship and parts to the construction area. Located on each (gh) bank is a (SP/430-Z) positioning sensors for determining the exact location and positioning of the parts (see for construction).

For additional detail refer to Datasheet MVL-D-4

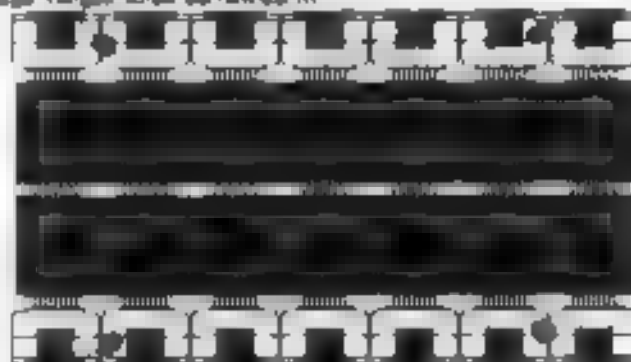
### Class Emblem



### Facility Silhouettes

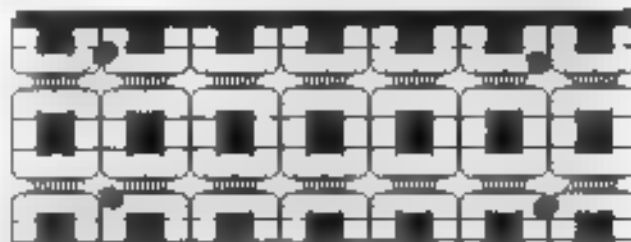
Total Target Area: 177374.03 m<sup>2</sup>

Average Target Area: 5424.84 m<sup>2</sup>



Top Silhouette

Area: 5424.84 m<sup>2</sup>



Port Silhouette

Area: 51747.88 m<sup>2</sup>



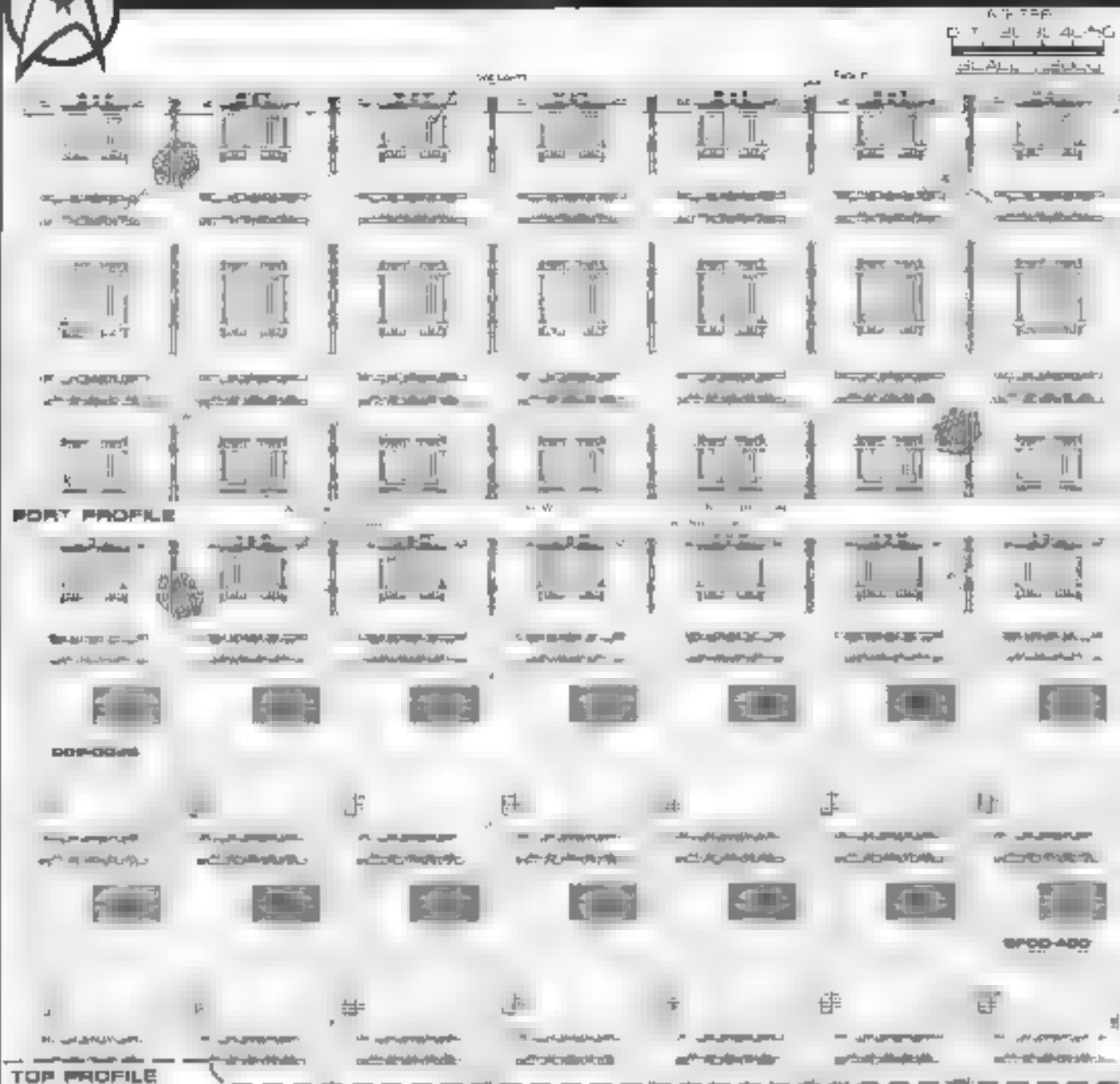
Front Silhouette

Area: 160213 m<sup>2</sup>



# DRY DOCK TYPE IV

MAYA CLASS



## Statistics

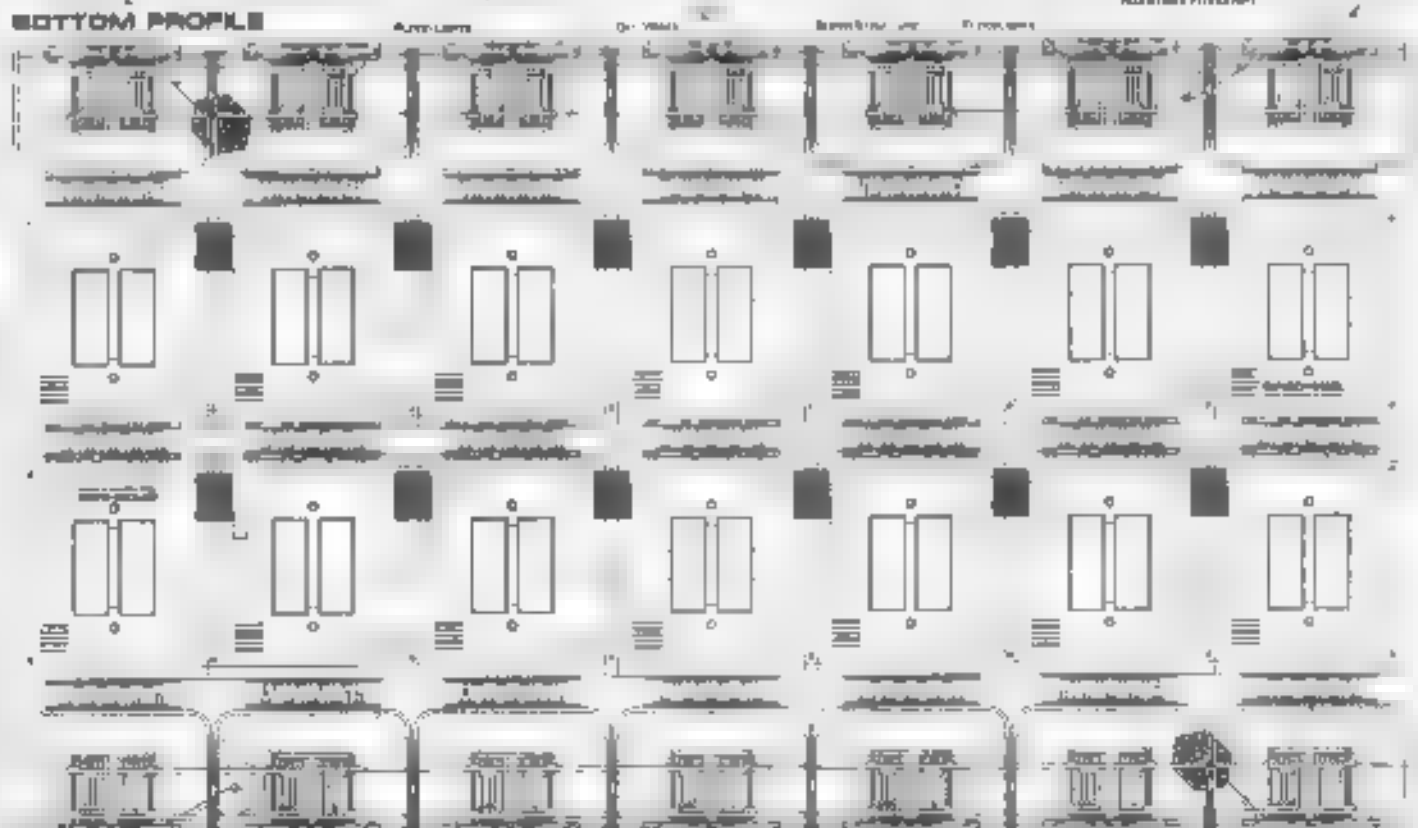
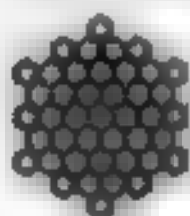
Classification: Dry Dock  
Category: Type IV  
Class: Maya  
Type: 235-4  
Model: Type IV  
Naval Construction Contract: 400  
Number Proposed: 32  
Number Constructed: 34  
Number in Service: 34  
Number Lost: 0  
Dimensions:  
Overall Dimensions (Meters)  
Length: 171m  
Width: 208.5m  
Height: 18.32m  
Displacement (Metric Tons)  
Light: 99,487m  
Standard: 980,587m  
Full Load: 340,450m

Duration (Years)  
Standard: 20 Years  
Maximum: 40 Years  
Std. Facility Complement: 300  
Officers: 40  
Crew (Ensign Grade): 280  
Emergency condition: +400  
Medical Facilities:  
Doctors: 4  
Medical Staff: 15  
Operating Rooms: 3  
Beds: 20  
Transporters Total: 11  
1 Person: 0  
2 Person: 0  
6 Person: 4  
12 Person: 0  
22 Person: 0  
Small Cargo: 1

Medium Cargo: 2  
Large Cargo: 2  
Super Cargo:  
Explorators: 20  
Major Tractor Beams: 1  
Tow Capacity: 100m  
Max Range: 900x104km  
Minor Tractor Beams:  
Tow Capacity: 60x108m  
Max Range: 470x104km  
Cargo Specification:  
Standard Cargo Units: 200  
Cargo Capacity: 6,000m  
Shuttlecraft Specifications:  
Shuttlecraft Bays Total: 4  
Small Bay: 0  
Medium Bay: 0  
Large Bay: 4  
Super Bay: 0

Shuttlecraft Standard: 0  
Work Bee: 40  
Tug Shuttle: 2  
Work Shuttle: 20  
Travel Pods: 0  
Light Shuttle: 4  
Standard Shuttle: 6  
Heavy Shuttle: 3  
Cargo Shuttle: 5  
Lifeboats: 0  
TurboLift (8 person): 4  
Lifeboat (10 person): 0  
Lifeboat (20 person): 0  
Lifeboat (30 person): 0  
Repair Index Values  
Alignment Sensor: 1,559  
Computers: 2  
Type: Daystrom Quatronic IIg  
Type: Daystrom Quatronic IIu

FEDERATION FACILITY



# DRY DOCK TYPE IV



## Facility Names

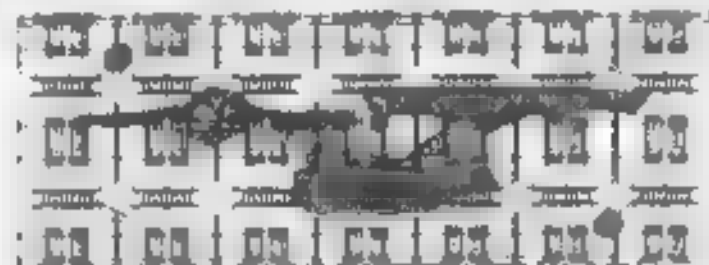
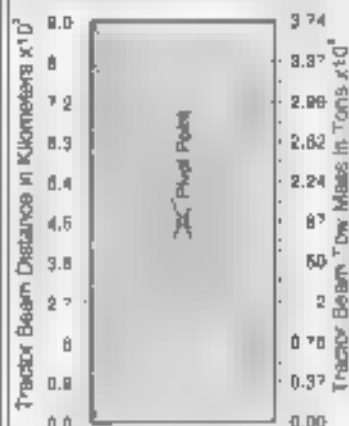
THE FOLLOWING SHIPS OF THE TYPE IV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.6

MAYA 1 SFDD 400"	MAYA 25 SFDD 415"	MAYA 50 SFDD 450"	MAYA 75 SFDD 475"
MAYA 2 SFDD 401"	MAYA 26 SFDD 416"	MAYA 51 SFDD 451"	MAYA 76 SFDD 476"
MAYA 3 SFDD 402"	MAYA 27 SFDD 417"	MAYA 52 SFDD 452"	MAYA 77 SFDD 477"
MAYA 4 SFDD 403"	MAYA 28 SFDD 418"	MAYA 53 SFDD 453"	MAYA 78 SFDD 478"
MAYA 5 SFDD 404"	MAYA 29 SFDD 419"	MAYA 54 SFDD 454"	MAYA 79 SFDD 479"
MAYA 6 SFDD 405"	MAYA 30 SFDD 420"	MAYA 55 SFDD 455"	MAYA 80 SFDD 480"
MAYA 7 SFDD 406"	MAYA 31 SFDD 421"	MAYA 56 SFDD 456"	MAYA 81 SFDD 481"
MAYA 8 SFDD 407"	MAYA 32 SFDD 422"	MAYA 57 SFDD 457"	MAYA 82 SFDD 482"
MAYA 9 SFDD 408"	MAYA 33 SFDD 423"	MAYA 58 SFDD 458"	MAYA 83 SFDD 483"
MAYA 10 SFDD 409"	MAYA 34 SFDD 424"	MAYA 59 SFDD 459"	MAYA 84 SFDD 484"
MAYA 11 SFDD 410"	MAYA 35 SFDD 425"	MAYA 60 SFDD 460"	MAYA 85 SFDD 485"
MAYA 12 SFDD 411"	MAYA 36 SFDD 426"	MAYA 61 SFDD 461"	MAYA 86 SFDD 486"
MAYA 13 SFDD 412"	MAYA 37 SFDD 427"	MAYA 62 SFDD 462"	MAYA 87 SFDD 487"
MAYA 14 SFDD 413"	MAYA 38 SFDD 428"	MAYA 63 SFDD 463"	MAYA 88 SFDD 488"
MAYA 15 SFDD 414"	MAYA 39 SFDD 429"	MAYA 64 SFDD 464"	MAYA 89 SFDD 489"
MAYA 16 SFDD 415"	MAYA 40 SFDD 430"	MAYA 65 SFDD 465"	MAYA 90 SFDD 490"
MAYA 17 SFDD 416"	MAYA 41 SFDD 431"	MAYA 66 SFDD 466"	MAYA 91 SFDD 491"
MAYA 18 SFDD 417"	MAYA 42 SFDD 432"	MAYA 67 SFDD 467"	MAYA 92 SFDD 492"
MAYA 19 SFDD 418"	MAYA 43 SFDD 433"	MAYA 68 SFDD 468"	MAYA 93 SFDD 493"
MAYA 20 SFDD 419"	MAYA 44 SFDD 434"	MAYA 69 SFDD 469"	MAYA 94 SFDD 494"
MAYA 21 SFDD 420"	MAYA 45 SFDD 435"	MAYA 70 SFDD 470"	
MAYA 22 SFDD 421"	MAYA 46 SFDD 436"	MAYA 71 SFDD 471"	
MAYA 23 SFDD 422"	MAYA 47 SFDD 437"	MAYA 72 SFDD 472"	
MAYA 24 SFDD 423"	MAYA 48 SFDD 438"	MAYA 73 SFDD 473"	
	MAYA 49 SFDD 439"	MAYA 74 SFDD 474"	

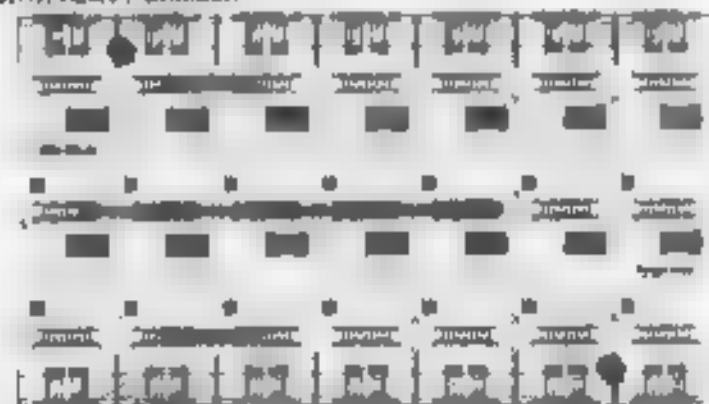
CLASS SHIP LIST IN THE NAME OF DUTY. PROPOSED

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



SIDE PROFILE  
WITH HEAVY CRUISER

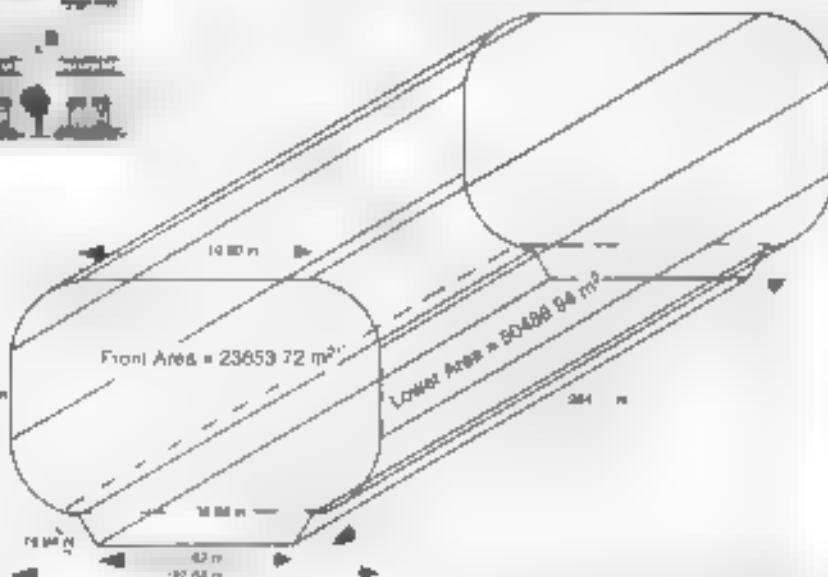


TOP PROFILE  
WITH HEAVY CRUISER



FRONT PROFILE  
WITH HEAVY CRUISER

WORK AREA DIMENSIONS	
Max. Length	384 m
Max. Width	192.84 m
Max. Height	136.64 m
Front Area	23653.72 m <sup>2</sup>
Lower Area	50486.84 m <sup>2</sup>
Volume	561248.37 m <sup>3</sup>



DRY DOCK PROFILES  
WITH HEAVY CRUISER

SRMA-1 04:02:04:04

DRY DOCK  
AREA USAGE

STARFLEET REFERENCE MANUAL

MAYA CLASS

FEDERATION FACILITY



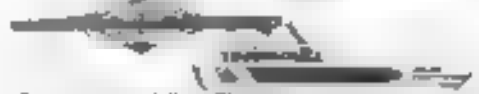


## Size Comparison

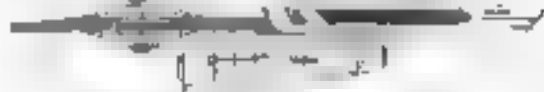
Destroyer - Jangleth Class



Peak Destroyer - Swiftan Class



Heavy Destroyer - Holman Class



Interceptor - Gekohn Class



Light Destroyer - Lynah Class



Long Range Destroyer - Paroo Class



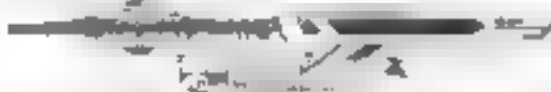
FT Destroyer - Akko Class



Command Cruiser - Harford Class



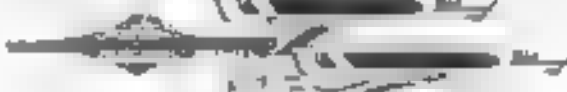
Cruiser - Pabotti Class



Cruiser - Iverson Class



Dropnaught - Star League Class



Fast Cruiser - Chovach Class



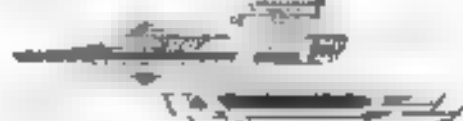
Heavy Cruiser - Enterprise Class



Light Cruiser - Shanks Class



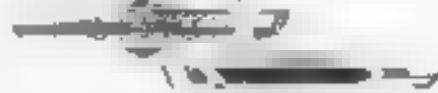
Assault Frigate - Comanche Class



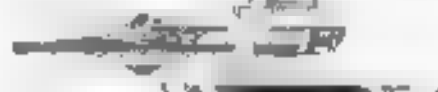
Assault Frigate - Coyote Class



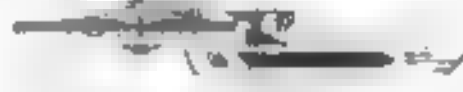
Frigate - Bragg Class



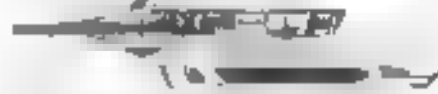
Heavy Frigate - Miranda Class



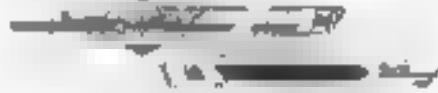
Light Frigate - Lander Class



Strategic Frigate - Saratoga Class



Tactical Frigate - Murphy Class



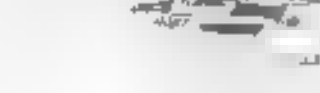
Assault Transport/Tug - Brownhead Class



Heavy Transport/Tug - Hendry Class



Light Transport/Tug - Fisher Class



STARSHIP TRANSPORT BROWNHEAD  
REG. C-1828

Transport/Tug - Monolith Class





# DESTROYER



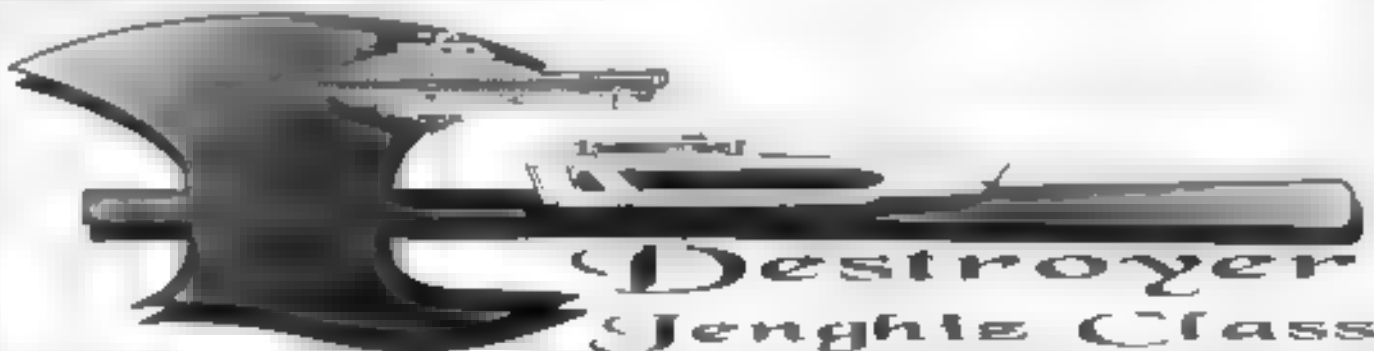
## General Information

**Specific Role:** The Destroyer is a swift, powerful, and efficient starship used for patrols, surveillance, and Federation defense. The primary mission of the destroyer is extended patrol duty along various treaty zones. During military operations, the destroyer is used for assault missions, perimeter defense for the larger capital ships. The destroyer is also used to escort civilian ships through troubled regions. The vessel is equipped with extensive ECM equipment to help it survive. The vessel's small size makes it both swift and hard to target.

**Physical Description:** The destroyer's (PH147/D-M1) primary hull is reinforced and equipped with supplemental targeting sensors and a small hangar deck located on the upper starboard side. Incorporated into the starboard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is also equipped with a (BS10/D-T1) tactical bridge which incorporates a larger weapons and tracking system. On the lower part of the primary hull is the (SM49/24) impulse sensor array and (DN1/2) navigation console located port starboard and on the front on both top and bottom of the primary hull are 6 x 24 x 20 phaser banks. The rear of the primary hull are (IP 86E/2) reactor units which are used for auxiliary power and warp propulsion. The vessel's warp fields are generated by a single (SW52) 560 warp nacelle mounted underneath the secondary hull by a (UL 750-4HY) connecting neck. On the dorsal are the (M20 10 C) intermix chamber and (AM47 8 2 T) matter antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jetisoning. Sandwiched between the dorsal and the nacelle is a forward facing PH2 25 (10) phaser broadside bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

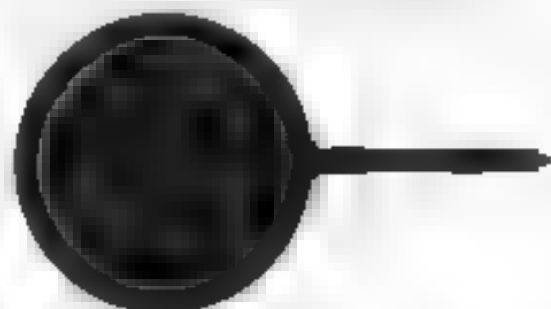
For additional details refer to Datasheet MV-6

## Class Emblem



## Ship Silhouettes

Total Target Area 23052.88 m<sup>2</sup>  
Average Target Area 7684.29 m<sup>2</sup>



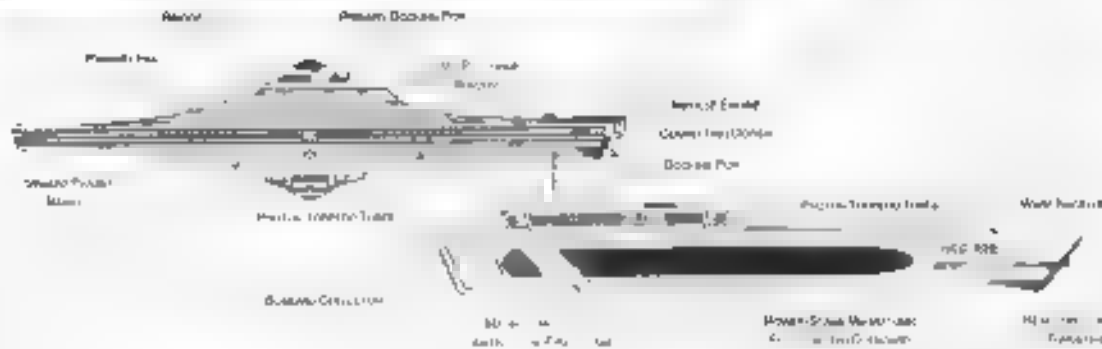
Top Silhouette  
Area 17019.27 m<sup>2</sup>



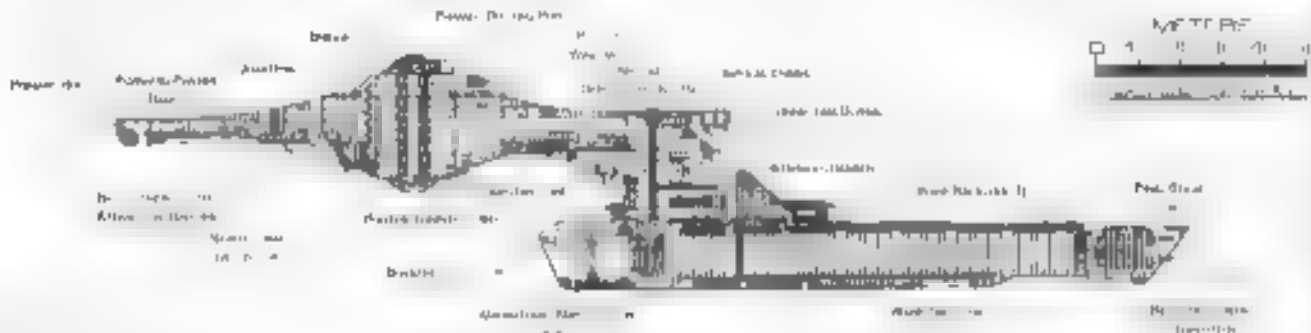
Port Silhouette  
Area 4889.85 m<sup>2</sup>



Front Silhouette  
Area 1860.76 m<sup>2</sup>



## PORT PROFILE



## CASE STUDY SECTION

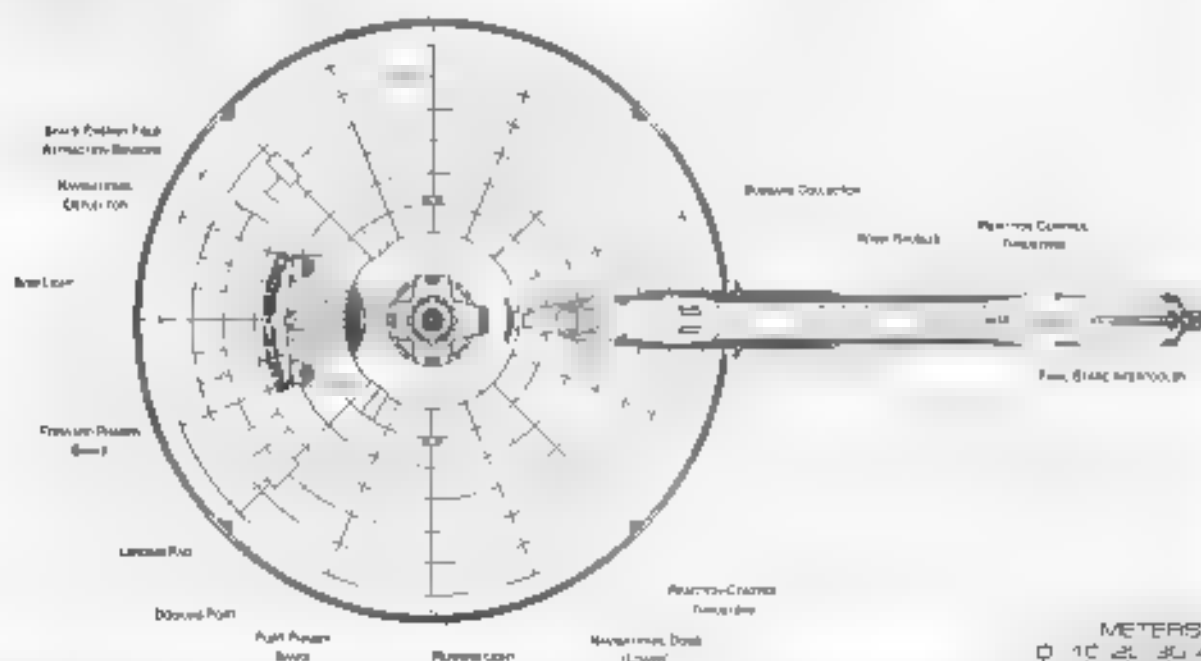
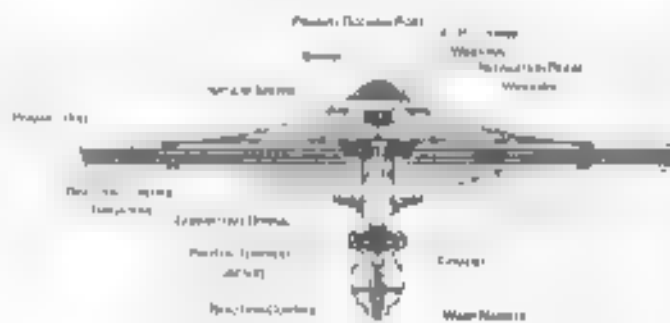
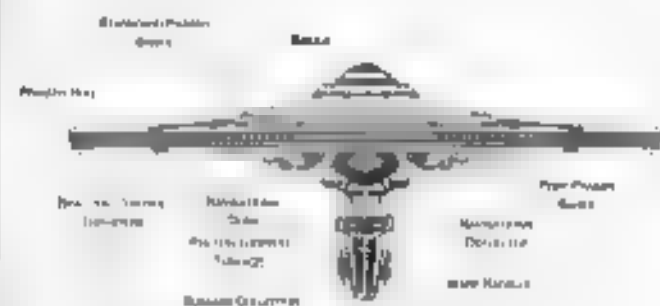
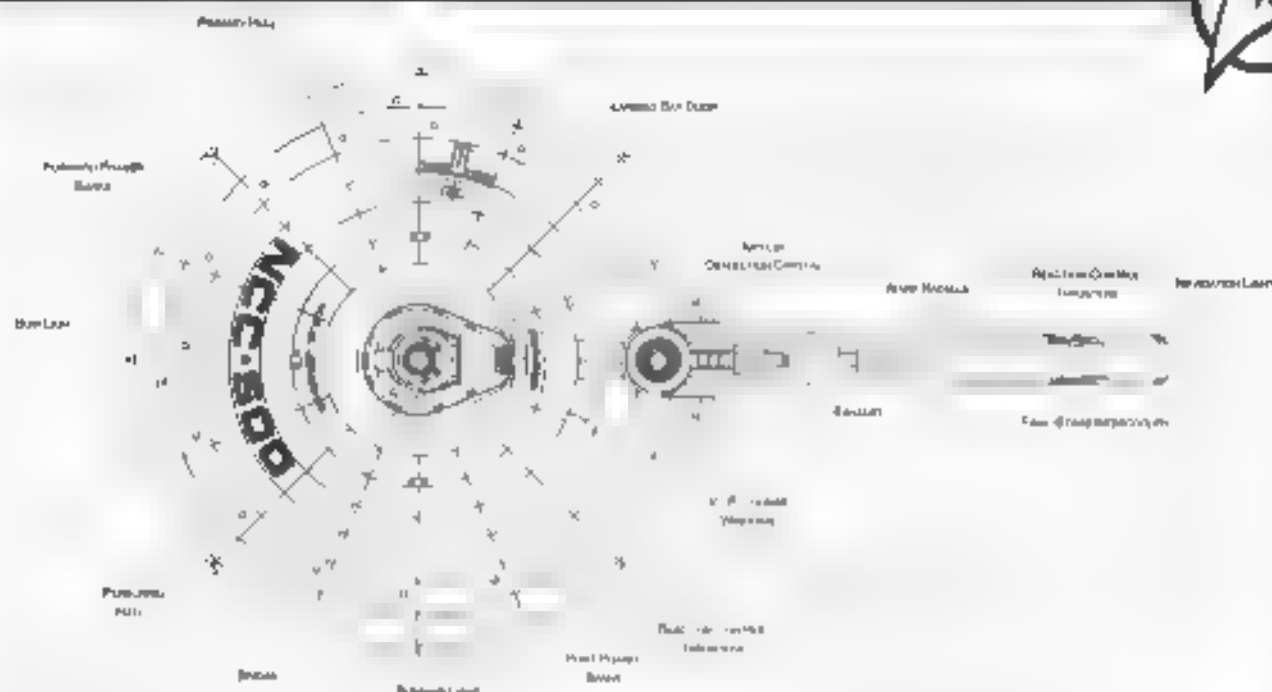
## Statistics

Classification: *sci-fi type*  
 Category: *sci-fi type*  
 Class: *single*  
 Type: *tech*  
 Model: *all* VII.  
 Ravel Construction Coefficient: 100  
 Number: *Proprietary* -5  
 Number: *constructed*: 04  
 Number: *in flight*: -3  
 Number: *lost*: 0  
 Miscellaneous:  
 Overall Dimensions (Meters)  
   Length: 41.1 m  
   Width: 4 m  
   Height: 7.3 m  
 Primary Hull Dimensions (Meters)  
   Length: 41.1 m  
   Width: 10 m  
   Height: 1.94 m  
 Secondary Hull Dimensions (Meters)  
   Length: N/A  
   Width: 10.4  
   Height: N/A  
 Warp-Hull Dimensions (Meters)  
   Length: 54.1 m  
   Width: 12.63 m  
   Height: 3.32 m  
 Displacement (Metric Tons)  
   Light: 07300 mt  
   Standard: 49801 mt  
   Full Load: 72852 mt  
 Performance:  
   Impulse Units: *max* 100% 88E2 IR  
   Impulse Engine Output: 78410 MW  
   Impulse Power Index: 77  
   Max Cruising: 7  
   Acceleration Rate:  
     0.00-0.25 G impulse: 0 18 sec  
     0.25-0.50 G impulse: 0 15 sec  
     0.50-0.75 G impulse: 0 138 sec  
     0.75-Full impulse: 0 221 sec  
   Warp Gates: 2 N. 4th 10th 12th 13th 15th  
   Warp Engine Output: 6e107.4 W  
   Warp Power Index: 0.66

Optimum Speed: 4  
Max Safe Cruising 4  
Emergency Speed 4.1  
Max Speed 4  
Disaster Evac Speed: 12.5  
Acceleration Power 3  
Acceleration Time:  
Warp 1 Warp 2 15 sec  
Warp 2 Warp 3 10 sec  
Warp 3 Warp 4 10 sec  
Warp 4 Warp 5 10 sec  
Warp 5 Warp 6 10 sec  
Warp 6 Warp 7 10 sec  
Warp 7 Warp 8 10 sec  
Warp 8 Warp 9 10 sec  
Warp 9 Warp 9.5 10 sec  
Warp 9.5 Warp 9.75 10 sec  
Warp 9.75 Warp 9.9 27 sec  
Duration Travel  
Standard 4 Year  
Maximum 10 Year  
Fuel Ship Component: 328  
Crews 12  
Crew (Main Control) 25  
Troops: 10  
Passengers 30  
Emergency condition + 400  
Medical Facilities:  
Doctors  
Medical Ward  
Operating Room x  
Beds: 6  
Laboratories: 6  
Transporters Total: 8  
Perch: 0  
2 Person 0  
8 Person 0  
3 Person 0  
25 Person  
Small Cargo:  
Medium Cargo:  
Large Cargo 0  
Super Cargo

[illegible]

0: M Index 10  
 Shield Rating  
 Shield Index 40  
 Molded Power 44400 W  
 Atomic Rate 0.12 W  
 Resilience Index 0.12 W  
 Shield Temperature (Shield)  
 Length 100 m  
 Width 2.2 m  
 Height 10 m  
 Weapons:  
 Phase Power Index 10  
 Photon Power Index 05  
 Vessel Power Index 40  
 Weapon Placement  
 Beam (Phase) Total: 8 Beam 2 m/s  
 Output: 10 W 30 W 40  
 Range: 10 m/s  
 Rate of Fire 30 rpm/Con  
 Forward Banks  
 Rear Banks 0  
 Port Banks 0  
 Starboard Banks 1  
 Upper Banks 0  
 Lower Banks 0  
 Beam (Major Phases) Total: 0  
 Output: 10  
 Range 10  
 Rate of Fire: 10  
 Forward/Rear Banks 0  
 Port/Starboard Banks 0  
 Upper/Lower Banks 0  
 Turboprop (Photon) Total: 2 Bay  
 Shock 30  
 Range 200 m  
 Output 10.50 MT  
 Rate of Fire: 10 rpm  
 Forward Bay  
 Rear Bay 0  
 Port Bay 0  
 Starboard Bay: 0  
 Upper Bay 0  
 Lower Bay 0





# Ship Names

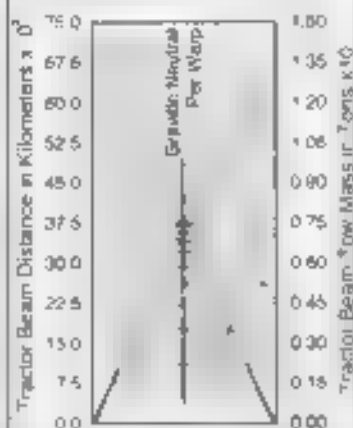
# DESTROYER

THE FOLLOWING SHIPS OF THE MK VIII CLASS WERE AUTHORIZED BY THE AMBASSADOR ARTICLES OF FEDERATION OF STARDATE 2259.10

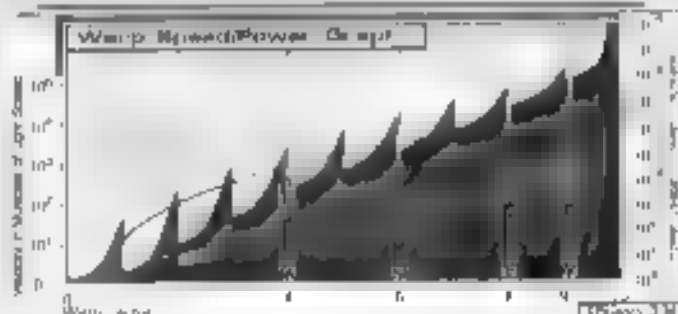
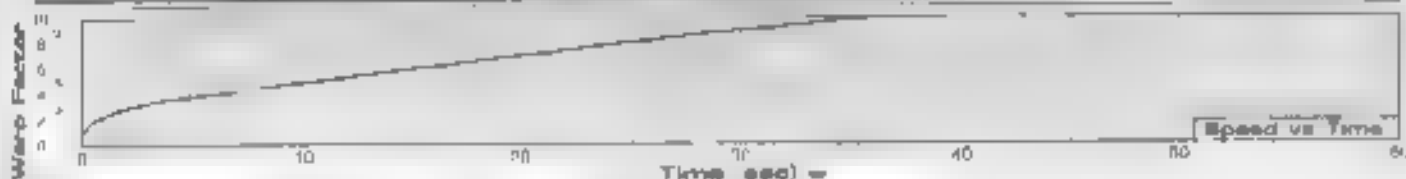
ACHILLES -NCC 501	ADAM -NCC 502	ADRIAN -NCC 503	ADRIAN -NCC 504
ADRIAN -NCC 505	ADRIAN -NCC 506	ADRIAN -NCC 507	ADRIAN -NCC 508
ADRIAN -NCC 509	ADRIAN -NCC 510	ADRIAN -NCC 511	ADRIAN -NCC 512
ADRIAN -NCC 513	ADRIAN -NCC 514	ADRIAN -NCC 515	ADRIAN -NCC 516
ADRIAN -NCC 517	ADRIAN -NCC 518	ADRIAN -NCC 519	ADRIAN -NCC 520
ADRIAN -NCC 521	ADRIAN -NCC 522	ADRIAN -NCC 523	ADRIAN -NCC 524
ADRIAN -NCC 525	ADRIAN -NCC 526	ADRIAN -NCC 527	ADRIAN -NCC 528
ADRIAN -NCC 529	ADRIAN -NCC 530	ADRIAN -NCC 531	ADRIAN -NCC 532
ADRIAN -NCC 533	ADRIAN -NCC 534	ADRIAN -NCC 535	ADRIAN -NCC 536
ADRIAN -NCC 537	ADRIAN -NCC 538	ADRIAN -NCC 539	ADRIAN -NCC 540
ADRIAN -NCC 541	ADRIAN -NCC 542	ADRIAN -NCC 543	ADRIAN -NCC 544
ADRIAN -NCC 545	ADRIAN -NCC 546	ADRIAN -NCC 547	ADRIAN -NCC 548
ADRIAN -NCC 549	ADRIAN -NCC 550	ADRIAN -NCC 551	ADRIAN -NCC 552
ADRIAN -NCC 553	ADRIAN -NCC 554	ADRIAN -NCC 555	ADRIAN -NCC 556
ADRIAN -NCC 557	ADRIAN -NCC 558	ADRIAN -NCC 559	ADRIAN -NCC 560
ADRIAN -NCC 561	ADRIAN -NCC 562	ADRIAN -NCC 563	ADRIAN -NCC 564
ADRIAN -NCC 565	ADRIAN -NCC 566	ADRIAN -NCC 567	ADRIAN -NCC 568
ADRIAN -NCC 569	ADRIAN -NCC 570	ADRIAN -NCC 571	ADRIAN -NCC 572
ADRIAN -NCC 573	ADRIAN -NCC 574	ADRIAN -NCC 575	ADRIAN -NCC 576
ADRIAN -NCC 577	ADRIAN -NCC 578	ADRIAN -NCC 579	ADRIAN -NCC 580
ADRIAN -NCC 581	ADRIAN -NCC 582	ADRIAN -NCC 583	ADRIAN -NCC 584
ADRIAN -NCC 585	ADRIAN -NCC 586	ADRIAN -NCC 587	ADRIAN -NCC 588
ADRIAN -NCC 589	ADRIAN -NCC 590	ADRIAN -NCC 591	ADRIAN -NCC 592
ADRIAN -NCC 593	ADRIAN -NCC 594	ADRIAN -NCC 595	ADRIAN -NCC 596
ADRIAN -NCC 597	ADRIAN -NCC 598	ADRIAN -NCC 599	ADRIAN -NCC 600

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "L.B.E."

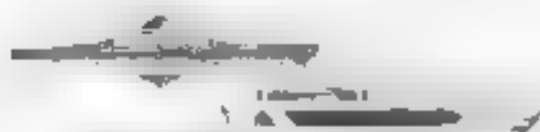


Field Length: 480.44m  
Field Width: 58.08m  
Field Height: 78.88m



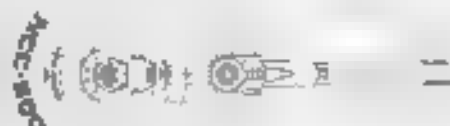
Front Warp Field Profile

Cross Section Area 8288.88 m<sup>2</sup>



Port Warp Field Profile

Cross Section Area 83718.0 m<sup>2</sup>



Top Warp Field Profile

Cross Section Area 47818.18 m<sup>2</sup>

# FAST DESTROYER



## General Information

**Specific Role:** The Fast Destroyer's design contains outstanding phaser power in a compact vessel. It was found that speed when compared to the Interceptor could be compromised so that a slanted MegaPhaser pack could be installed above the impulse drive on a support strut. The primary use of the fast destroyer is extended long range military and patrol duty. During military activity the destroyer is used for assault where a fast light ship with overwhelming phaser firepower is needed. The vessel is equipped with extensive ECM equipment to help it survive. Due to the vessel's high power and small size it is agile and hard to target.

**Physical Description:** The (PH147 D-M2) primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The vessel is also equipped with additional inertial compensating generators to help compensate for the vessel's exceptional agility. The primary hull is equipped with a BS10 L-3 bridge incorporating a larger weapons and tracking section. On the lower part of the primary hull is the (SM49, 20) main sensor array and (DN1/3 A) navigational torpedoes. Below the warp nacelles is the (SM978/2A) power neuron array. Above the impulse units, connected by a (D1/20-5A) support pylon, are the slanted (MP2, 15-25) MegaPhasers. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2, 40-20) standard phaser banks. To the rear of the primary hull are (JP 86E/4 DN) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessel's warp fields are generated by two (SW52/1 416) warp nacelles slanted together and mounted underneath the secondary hull by a (DN1/40 501) reinforced connecting dorsal. Inside the connecting dorsal are the (M20 10-25) intermix chamber and (AMB 36-4X) matter antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jettisoning. Needles between the dorsal and the nacelles is a forward facing (FH2/25-10N) photon torpedo bay. In the event of a emergency the primary hull can separate from the warp nacelles. Once separated the primary hull can maneuver on impulse power for extended periods of time.

For additional detail refer to Datasheet MV-B

## Class Emblem



## Ship Silhouettes

Total Target Area 85838.34 m<sup>2</sup>  
Average Target Area 8583.83 m<sup>2</sup>



Top Silhouette  
Area 18168.34 m<sup>2</sup>



Port Silhouette  
Area 8348.88 m<sup>2</sup>

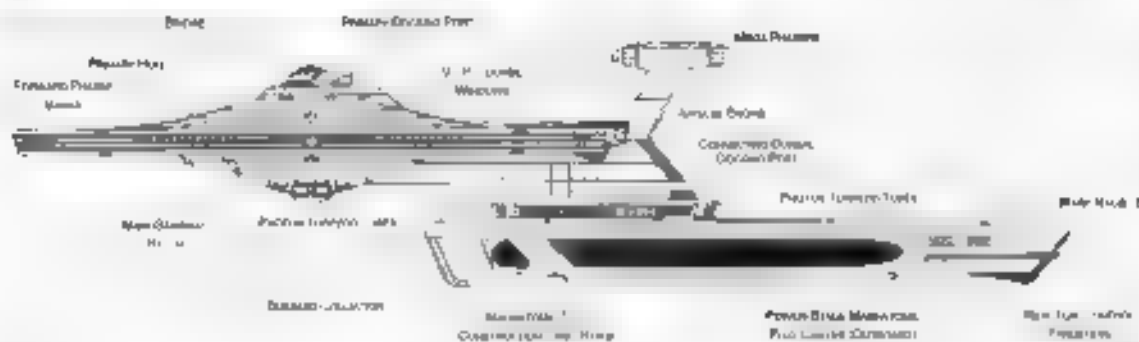


Front Silhouette  
Area 8138.81 m<sup>2</sup>

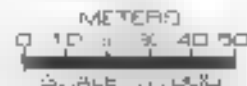


# FAST DESTROYER

SWIFTER CLASS



PORT PROFILE



## Statistics

Classification: Fast Destroyer

Category: Destroyer

Class: mPm

Type: M4

Model: M4100

Maximal Adaptation Capabilities: 1500

Number Produced: 47

Number Constructed: 26

Number in Service: 28

Number Lost: 0

Hyperdrives

Overall Dimensions (Meters)

Length: 25.10 m

Width: 4.12 m

Height: 10.0 m

Primary Hull Dimensions (Meters)

Length: 14.10 m

Width: 4.12 m

Height: 3.94 m

Secondary Hull Dimensions (Meters)

Length: 4.0

Width: N/A

Height: N/A

Warp Core Dimensions (Meters)

Length: 15.4 m

Width: 7.0 m

Height: 0.1 m

Displacement (Metric Tons)

Light: 2900 m

Standard: 3800 m

Full Load: 5400 m

Performance

Impulse Units Dual: 101000000

Impulse Engine Output:  $3 \times 10^{13}$  W

Impulse Power Index: 43

Max Cruising: 7

Acceleration Rate

0.00-0.30 Impulse: 0.14 sec

0.30-0.60 Impulse: 0.2 sec

0.60-0.70 Impulse: 0.28 sec

0.70-7.00 Impulse: 0.35 sec

Warp Drive: Navicraft hull (SV/S2/S-MRU)

Warp Engine Output:  $2 \times 10^{13}$  W

Warp Power Index: 43

Optimum Speed: 4

Max Safe Cruising: 7

Emergency Speed: 8

Max Speed: 8.1

Destroyer Speed: 9.8

Acceleration Power: 3

Acceleration Times

Warp 1 Warp 2: 0.4 sec

Warp 2 Warp 3: 2.74 sec

Warp 3 Warp 4: 0.84 sec

Warp 4 Warp 5: 7.7 sec

Warp 5 Warp 6: 4.0 sec

Warp 6 Warp 7: 4.0 sec

Warp 7 Warp 8: 10.0 sec

Warp 8 Warp 9: 4.0 sec

Warp 9 Warp 10: 5.74 sec

Warp 10 Warp 11: 8.85 sec

Warp 11 Warp 12: 5.02 sec

Duration (Years)

Standard: 4 Years

Maximum: 10 Years

Std. Ridge Complement: 344

Officers: 4

Crew (Design Grade): 277

Troops: 10

Passengers: 25

Emergency condition: +58

Medical Facilities

Doctors: 3

Medical Staff

Operating Rooms: 2

Beds: 16

Laboratories: 6

Transporters Total: 8

1 Person

2 Persons: 0

3 Persons: 3

12 Persons: 0

22 Persons: 3

Small Cargo: 1

Medium Cargo

Large Cargo: 0

Super Cargo: 0

Bridge: 1

Engine Room

Travel Deck

Top capacity:  $4 \times 10^4$  m

Max Range:  $7 \times 10^4$  m

Cargo Specifications

Standard Cargo Units: 16

Cargo Capacity: 1700 m

Shuttlecraft Specifications

Shuttlecraft

Shuttlecraft Bay Total: 1

Small Bay

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Deck

Travel Deck: 1

Aggravate Shuttle:

Light Shuttle: 0

Standard Shuttle: 1

Heavy Shuttle:

Cargo Shuttle:

Assault Shuttle:

Elite: 0

Light Fighter: 2

Fighter

Heavy Fighter: 2

Lifelines: 3

Turbolift (in person): 7

Lifelines (in person): 10

Lifelines (in person): 10

Lifelines (in person): 10

Lifelines (in person): 10

Shielding Devices: 0

Secure Index Value: 1

Planetary Survey: 1

Star Survey: 1

Short Range: 33

Long Range: 12

Navigation: 37

Special: 02

Computers: 7

Type: Dystopian Dystopia: 412

Type: Dystopian Dystopia: 4.1

ECM Index: 7

Shield Index

Shield Index: 16

Shield Index: 16

Shield Index: 16

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Shield Index: 16

FEDERATION VESSEL





# FAST DESTROYER

## Ship Names

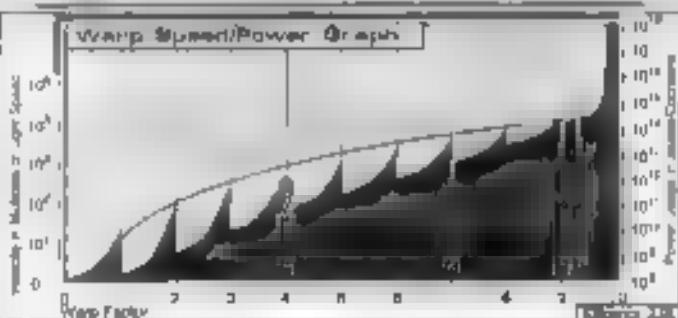
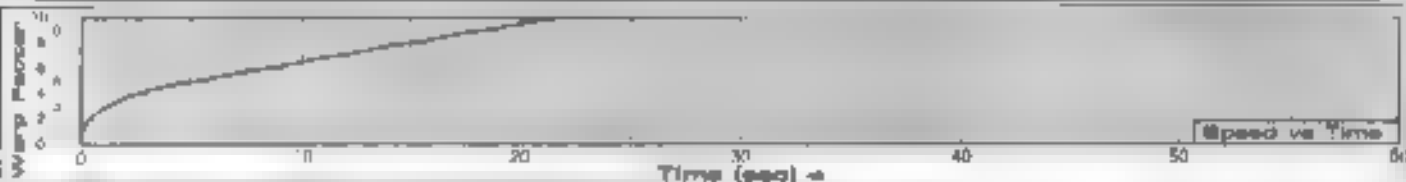
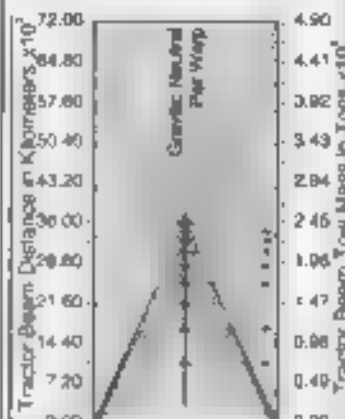
THE FOLLOWING SHIPS OF THE MK XIIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2271.0

MEINER -NCC 337	BOYD -NCC 313
WISER -NCC 328	CHUB -NCC 306
PASCHA -NCC 1002	GUFF -NCC 332
ST. E -NCC 325	DIMBOW -NCC 114
RI. OF -NCC 300	EARL -NCC 1023
SALINDERS -NCC 1301	EDSTROM -NCC 1300
SAHEER -NCC 306	EUGH -NCC 41
SLIMY -NCC 331	ELTING -NCC 343
SHAWY -NCC 324	GAKE -NCC 30
SWXYTHMY -NCC 1303	DAYORU -NCC 338
STICE -NCC 120	CHIAN -NCC 318
SWIFTEY -NCC 300	HIGDON -NCC 310
HE. II -NCC 331	HOUSTON -NCC 1304
WISER -NCC 318	KATHIN -NCC 322
W. SCHINI -NCC 140	KALAVAN -NCC 32
W. AMSDY -NCC 330	KALFER -NCC 1318
IK. Y. AI	MAHES -NCC 309
YTHI -NCC 32	MORRIS -NCC 334
ZO. GALT -NCC 129	MW. AI -NCC 341
ALHIMAN -NCC 3	
AI. HININ -NCC 335	
DAIN -NCC 3	
DAIN -NCC 3	
HAKENMAN -NCC 338	
HEALTH -NCC 306	

CLASS 22P. LOST IN THE LINE OF DUTY. PROFORM ALL NAMES PRECEDED WITH "F.B.B."

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Field Length 884.27m  
Field Width 104.38m  
Field Height 78.11m



Front Warp Field Profile  
Cross Section Area 18085.6 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 28823.66 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 57804.38 m<sup>2</sup>

SWIFTEN CLASS

FEDERATION VESSEL



## HEAVY DESTROYER

## General Information



**Specific Role:** After extensive research, starship designers found that a Heavy Destroyer was needed to fill the gap between destroyers and dreadnoughts. The secondary hull is connected directly to the primary hull to reduce the craft's silhouette. Integrated throughout the vessel are more powerful shields, sensors and extensive ECM equipment to help it survive. The primary use of the Heavy Destroyer is extended long range military and patrol duty. During military operations, the destroyer is used for main-line defense and as a perimeter holding ship.

**Physical Description:** The Heavy Destroyers PL 471 M50 primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar bay in set on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (HS16/273) tactical bridge which coordinates a larger weapons control room situated on the lower part of the primary hull to the (SM46/25) main sensor array and (EN4/711) navigational deflector located on the port starboard and bow of the primary hull. Top and bottom are six (3/2/3/2) phaser banks. To the rear of the secondary hull are two (3/2/3/2) phaser banks. On the underside of the secondary hull are two additional (SP2/30/20) phaser banks located on either side of the primary hull are the (M15/25) MegaPhasers. The vessel is equipped with a (PB2/25/10E) photon torpedo bay mounted below the secondary hull. To the rear of the primary hull are (M6/5/10) data impulse tanks which are used for auxiliary power and sub light propulsion. The vessel is also equipped with additional deflector generators to compensate for increased maneuvering capabilities. The vessel's weapons are generated by two (SW52/500) warp nacelles attached to the secondary hull by (L/250/86) support beams. Mounted directly below the primary hull is the (SL1/7/3 M1) secondary hull. The front of the secondary hull is a (DN2/15/3) navigational deflector located inside the navigational shields in deflecting incoming missiles. Inside the secondary hull are the (M26/6/2) intercombiner and (AM8/38/4P) matter/antimatter storage tanks which are easily accessed in case of an emergency. In the event of an emergency, the primary and secondary hulls are separate leaving the secondary hull protected. Only sensors on the primary hull can measure or impulse power for extensions or the

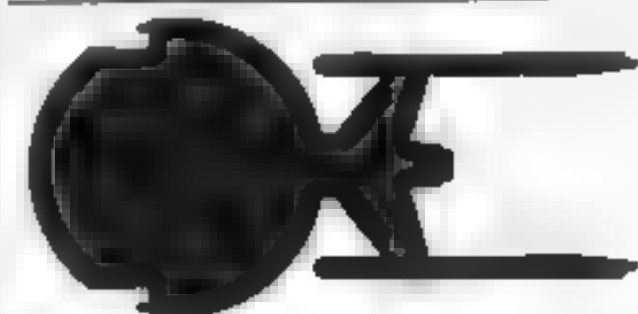
For additional details refer to Dauntless, MV 2

## Class Emblem



## Ship Silhouettes

Total Target Area 21775.8 m<sup>2</sup>  
Average Target Area 10887.9 m<sup>2</sup>



Top Silhouette  
Area 8907.70 m<sup>2</sup>



Port Silhouette  
Area 7192.47 m<sup>2</sup>



Front Silhouette  
Area 2878.23 m<sup>2</sup>



## Statistics

Belgh  
 Magisterium 4  
 Trackless Wurm  
 Top Capacity 400000  
 Max Range 100000  
 Cargo Specialization  
 Standard Cargo Units 100  
 Cargo Capacity 400000  
 Multi-Task Specialization  
 Cooking Skills  
 Shuttlecraft Days Total  
 Small Bay  
 Mid-Size Bay 0  
 Large Bay 0  
 Huge Bay 0  
 Shuttlecraft Mandate: 10  
 Work Area:  
 Travel Pods:  
 Aquatic Ability:  
 Light Shuttle 0  
 Standard Shuttle 0  
 Heavy Shuttle:  
 Large Shuttle  
 Assault Shuttle:  
 Killer Bots 2  
 Light Fighter 0  
 Fighter  
 Heavy Fighter 0  
 Lifeships: 45  
 Turbocell (0 persons) 0  
 Lifetank (0 persons) 10  
 Lifesuit (10 persons) 0  
 Lifesuit (10 persons) 0  
 Lifesuit (10 persons) 0  
 Cooking Skills  
 Reason Index Values:  
 Planetary Survey 3  
 Stellar Survey  
 Short Range: 10  
 Long Range: 10  
 Navigation: 3  
 Special 80  
 Computers: 0  
 Type: Customized Customized  
 Type: Customized Customized

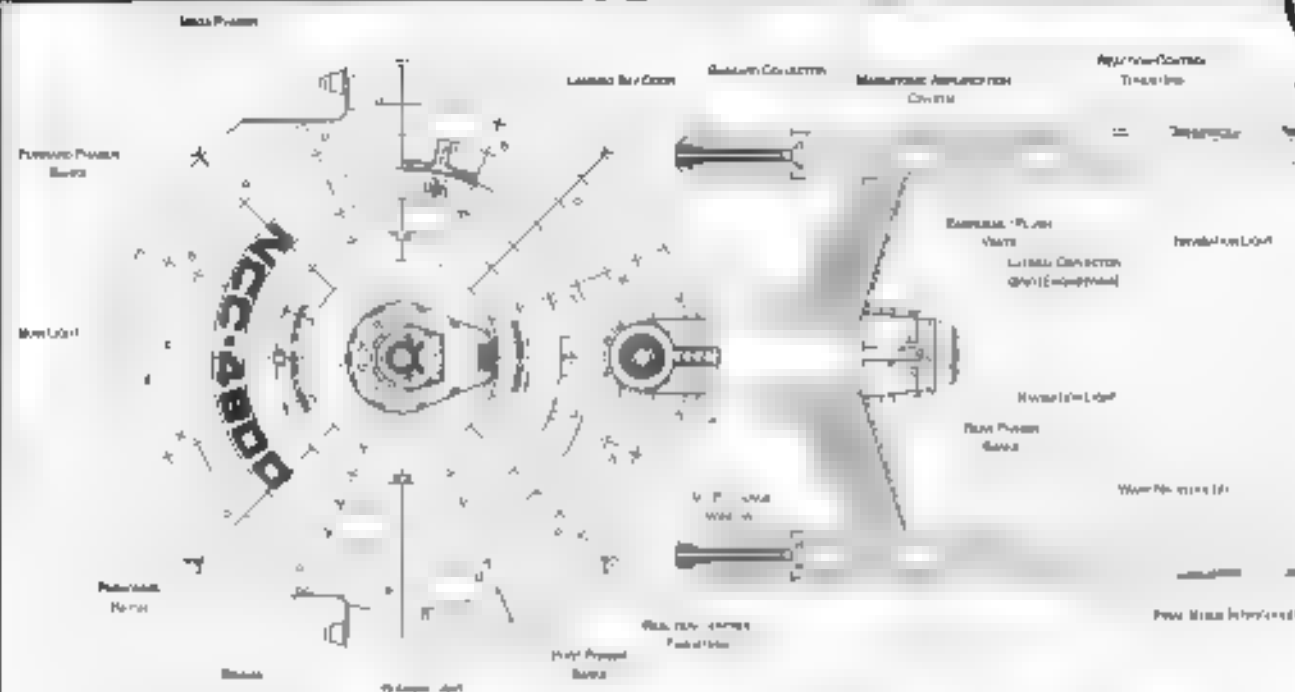
**F4M Index:** 10  
**Shield Rating:**  
 Shield Index: 114,  
 Shield Power: 10x10' W  
 Shield Size: 4 x 10' W  
 Shield Down Size: 4 x 10' W  
 Shield Dimensions: 10x10'  
 Length: 47 ft m  
 Width: 21 ft m  
 Height: 62 ft m

**Weapons:**  
 Phase: Power Index: 0 M  
 Photon Power Index: 25  
 Vessel Power Index: 0.97  
**Weapon Phasor:**  
 Beam (Phase) Total: 8 hours, 7 min  
 Output: 2x10' W 4x10' W  
 Range: 2x10' W  
 Rate of Fire: 30 rpm/Com  
 Forward Banks:  
 Starboard Banks:  
 Port Banks: 2  
 Starboard Banks: 2  
 Upper Banks: 0  
 Lower Banks: 2

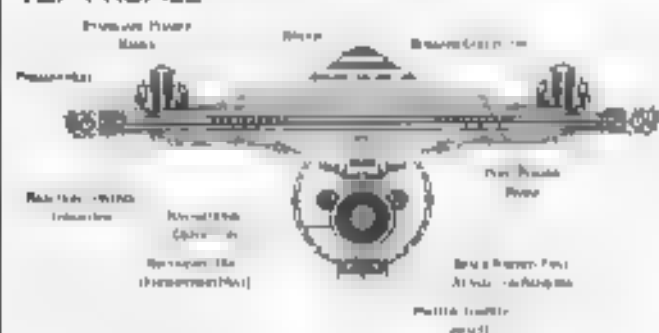
**Beam (Major/Minor) Total: 2**  
 Output: 2x10' W 4x10' W  
 Range: 2x10' W  
 Rate of Fire: 5 rpm/Com  
 Forward/Starboard Banks: 0  
 Port/Starboard Banks: 0  
 Upper/Lower Banks: 0

**Torpedoes (Photon) Total: 2 Bay**  
 Block: N  
 Range: 2x10' W  
 Output: 10 50 40T  
 Rate of Fire: 0 rpm  
 Forward Bay:  
 Rear Bay: 0  
 Port Bay: 0  
 Starboard Bay: 0  
 Upper Bay: 0  
 Lower Bay: 0

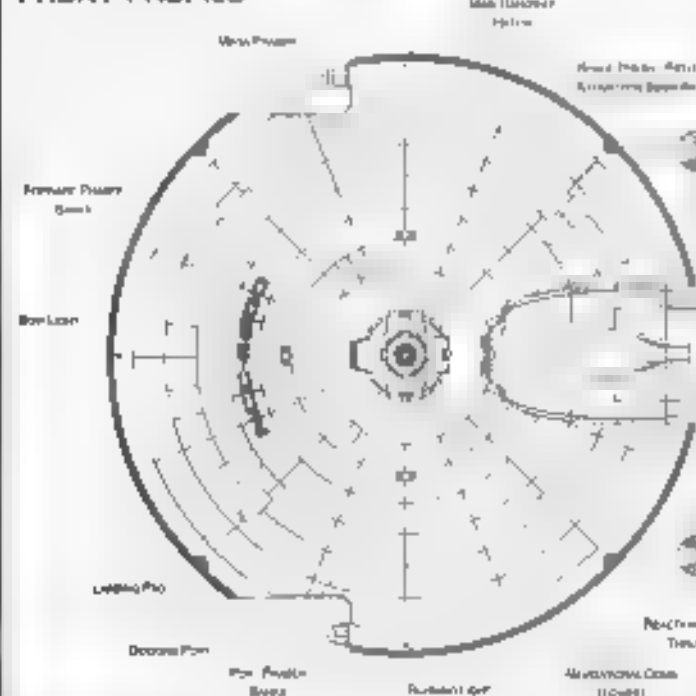
## HEAVY DESTROYER



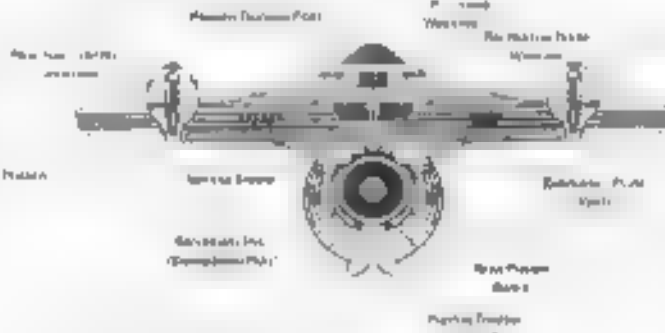
TOP PROFILE ■



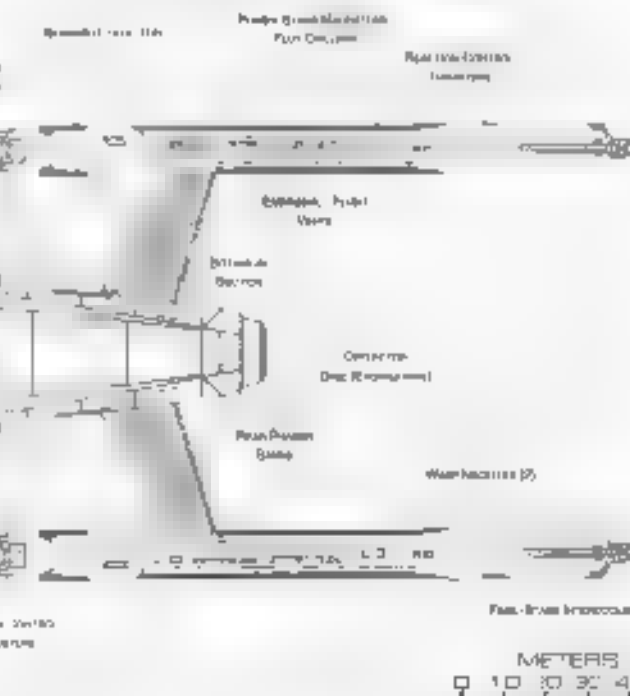
### FRONT PROFILE



### BOTTOM PROFILE



## MEAN PROFILE





# HEAVY DESTROYER

## Ship Names

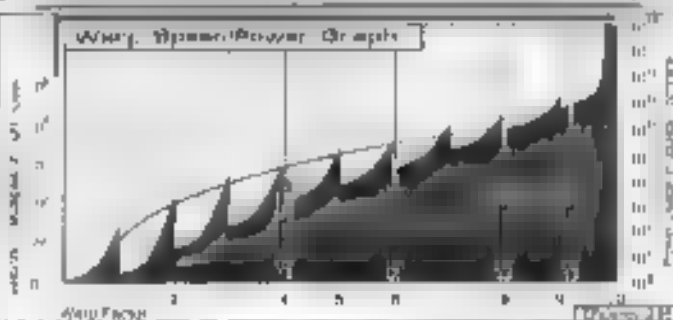
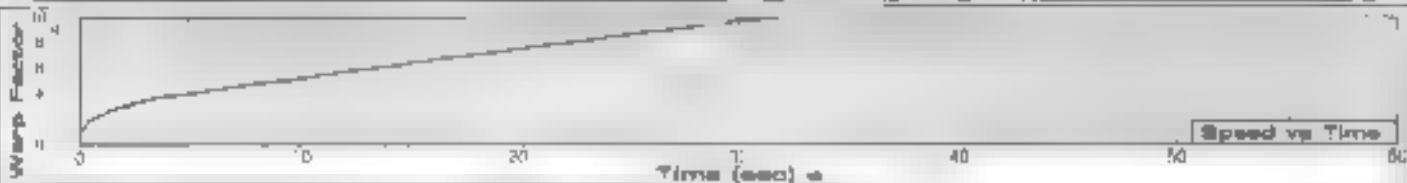
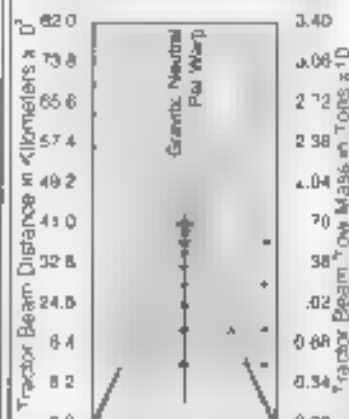
THE FOLLOWING SHIPS OF THE MK IV<sub>a</sub> CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2270.9

ALKAH <sub>1</sub> NL 4024	PRESTWICH NL 4903
BARDEN NL 4013	RASDALE NCC 4902
BIH NL 401	RAM NL 4925
HAVEZ NL 4050	REVERA NCT 4928
IBEL NCC 48	ROBINSON NCT 4908
NCT 4933	ROSE NL 4904
JAMERON NL 491	SAV NL 4918
A E (PORT) 4 4905	SETP NL 4917
AIRLO NL 491	TER NL 4919
JA NL 4908	VATHEN NL 492
JA NL 4925	WATSON NL 4923
JA NL 4911	ZWANT NCT 4909
JA NL 4924	
JA NL 491	
JA NL 4902	
JA NL 4901	
JA NL 4914	
JA NL 4911	
JA NL 4907	
JA NL 491	
JA NL 4925	
JA NL 4901	
JA NL 4918	
JA NL 4916	
JA NL 4916	
JA NL 4916	

CLASS SHIP: 'LOST IN THE LINE OF DUTY.' PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Point Length 200 14m  
Point Width 70 60m  
Point Height 81 45m



Front Warp Field Profile  
Cross Section Area 11503.83 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 80827.89 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 88205.83 m<sup>2</sup>

## INTERCEPTOR



## General Information

**Specific Role:** The Interceptor has maximized warp efficiency and is designed to pursue and intercept enemy craft. The warp nacelles are located side by side giving the Interceptor a long slender warp field for increased efficiency. The primary weapons on the Interceptor are four forward mounted and two rear mounted photon torpedoes. The use of a rear mounted photon torpedo bay allows the Interceptor to also retreat fully capable of defending itself. The Interceptor was equipped with torpedoes since standard phasers and megaphasers draw power directly from the engines. The vessel is furnished with extensive ECM equipment to help it survive. Due to the vessel's high power and small size, it is agile and hard to target.

**Physical Description:** The PH 47/D-M6 primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The primary hull is equipped with a PH51 D-P1 tactical bridge which incorporates the target weapons and tracking station. On the lower part of the primary hull is the (SM49.3V) main sensor array and (DN 72.4) navigational dome. Located on the port starboard and bow of the primary hull both top and bottom are six B'2 30.2L phaser banks. To the rear of the primary hull are the (JP 86F 74 P1) dual impulse engines which are used for auxiliary power and sub light propulsion. The vessel's warp fields are generated by two (SW52.1) dual warp nacelles slanted together and mounted underneath the secondary hull by a (FL 60.56V) reinforced connecting dorsal. The vessel is also equipped with six main inertial dampeners to compensate for a increased maneuvering capabilities. Inside the dorsal are the (M2C 0.2F) trunk chamber and (AMH 86.4) matter/antimatter storage tanks. The storage tanks are located in the rear of the connecting dorsal for emergency refueling. Nestled between the dorsal and the nacelles is a forward facing (PI2/25.0V) photon torpedo bay. Below the warp nacelles is a (B4 50.20K) photon torpedo bay which is able to fire both forward and backward. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

For additional details refer to DataSheet MV 8

## Class Emblem



## Ship Silhouettes

Total Target Area 85836.88 m<sup>2</sup>  
Average Target Area 8546.88 m<sup>2</sup>



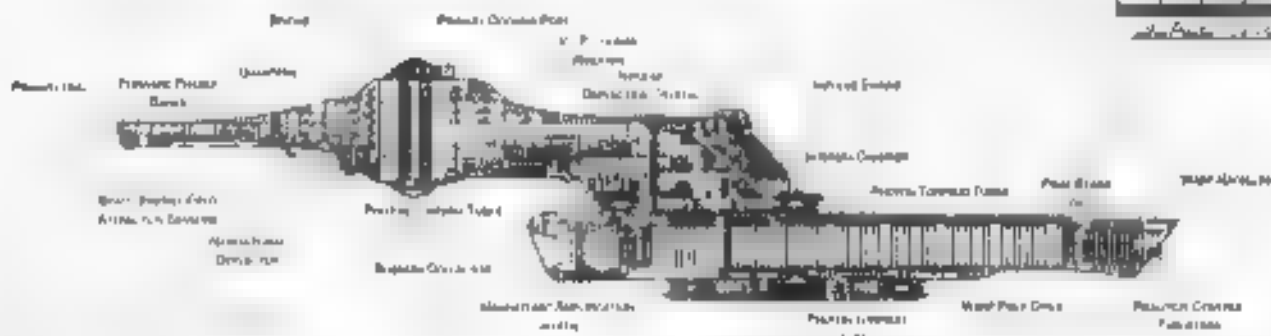
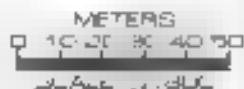
Top Silhouette  
Area 18185.24 m<sup>2</sup>



Port Silhouette  
Area 8319.81 m<sup>2</sup>



Front Silhouette  
Area 8181.81 m<sup>2</sup>



### CROSS SECTION

## Statistics

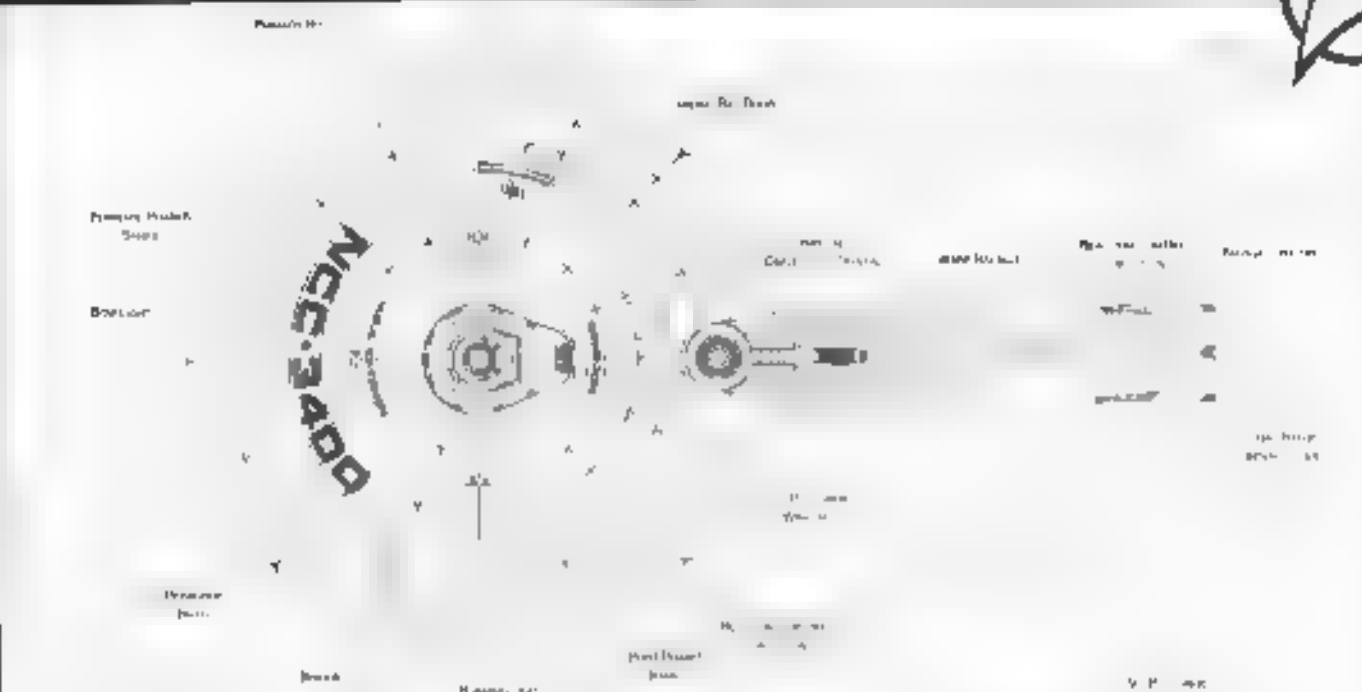
2CM In=1: 10  
Shield Rating: 5  
Shield Index: 5.3  
Shield Power:  $2.82 \times 10^{11}$  W  
Reeflash Rate:  $8.23 \times 10^{11}$  W  
Reeflash Index:  $8.94 \times 10^{11}$  W  
Shield Dimensions (Spherical)  
Length: 379 m  
Width: 274 m  
Height: 864 m

Weapons

Photon Power Index: 0.07  
Photon Power Index: 4.74  
Neutr Power Index: 4.96  
Weapon Placement:

Beam (Photon) Total: 6 Bay: 8 Bay: 8 Bay: 8 Bay: 8  
Output:  $5 \times 10^{11}$  W  $2.8 \times 10^{11}$  W  
Range:  $2 \times 10^4$  km  
Rate of Fire: 30 ppm/Coal  
Forward Bay: 2  
Near Bay: 0  
Port Bay: 2  
Starboard Bay: 2  
Upper Bay: 0  
Lower Bay: 0  
Beam (Neutr/Photon) Total: 0  
Output: N/A  
Range: N/A  
Rate of Fire: N/A  
Forward/Near Bay: 0  
Port/Starboard Bay: 0  
Upper/Lower Bay: 0  
Torpedoes (Photon) Total: 8 Bay:  
Stock: 50  
Range:  $2 \times 10^4$  km  
Output:  $10 \times 10^4$  W  
Rate of Fire: 10 ppm  
Forward Bay: 2  
Near Bay:  
Port Bay: 0  
Starboard Bay: 0  
Upper Bay: 0  
Lower Bay: 0

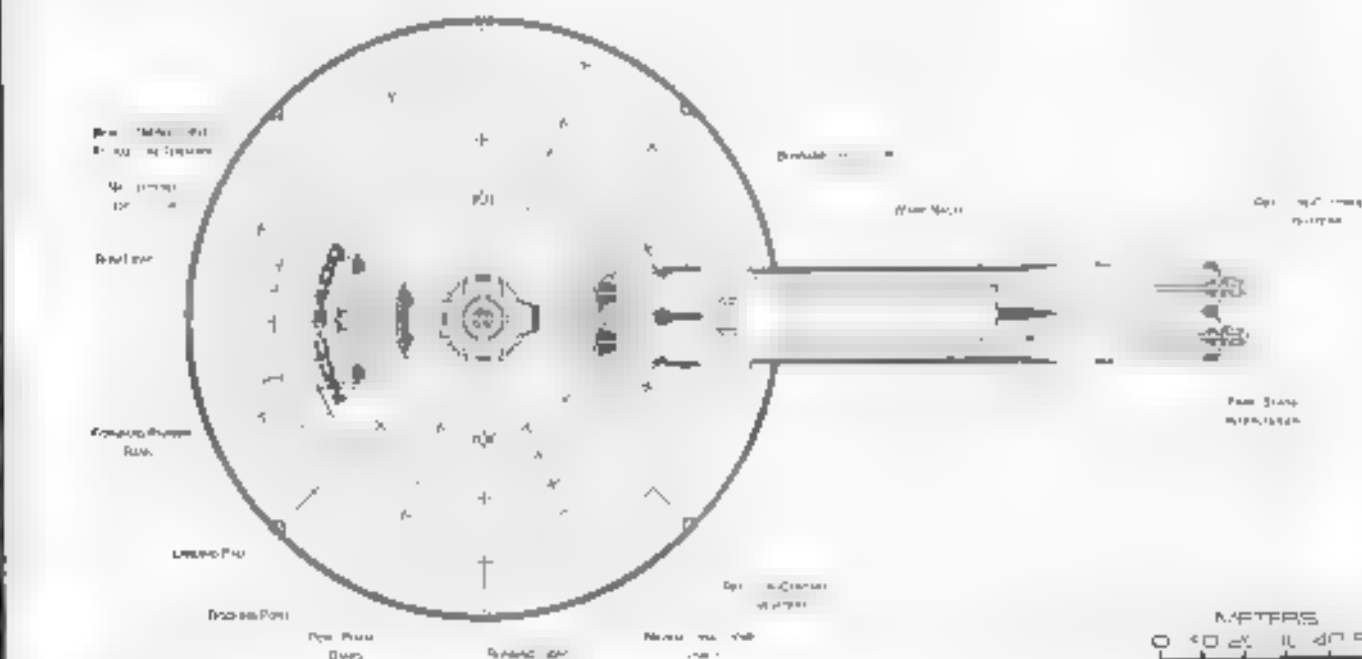
## INTERCEPTOR



TOP PROFILE



FRONT PROFILE



BOTTOM PROFILE

METERS  
0 10 20 30 40 50



# INTERCEPTOR

## Ship Names

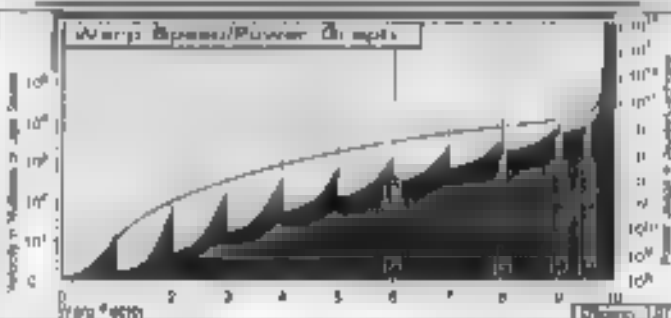
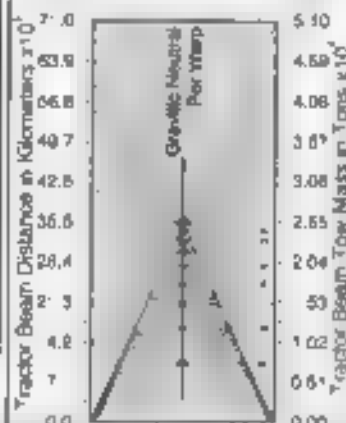
THE FOLLOWING SHIPS OF THE NX-1 CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2270 10

ADAMANT - NC 3410	MAYNARD - NCC-2416
AL TRIDER - NCC 3438"	SAUSSEAU - NCC 3427
BEND-VER - NCC 3405	ORUKA SIM - M 3439"
IRVING - NCC 3437"	OR MAN - NCC 3402
BRANT - NCC 3435	PEEDER - NCC 3425"
BURIEL - NCC 3426	PHOENIX - NC 3431
LA FLAM - NC 3400	PEERIN - NCC 3423
AD - NCC NC 3428	RI - HNRK - NC 3419
WINDYBARK - NCC-2408	RI - 5444 - NCC 3417
GARDIN - NCC 34	RUS - ER - NC 3417
DEV IN - NCC 34	ST. HUP - NC 3437
ALPHAM - NCC 3404	SWAN - NC 3418
II - NC 3418	TERMIN - NC 3420
OR - NCC 3430"	WOUNALN - NCC 3410
DAVIS - NCC 3406	WISAYULEH - NC 3438"
W. IV - NCC 3410	XENON - NC 3427
HARRISON - NC 342	
NOIPES - NC 3417	
HOI - NCC 3412	
FAITH - NC 3426	
FAIR - NC 3421	
ANATON - NC 3434"	
A - M - NC 3414	
UNIT - NC 3424	
MAKIN TEAM - NCC 3400	

"CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED. ALL NAMES PREFIXED WITH "U.S.S."

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Field Length 661.81m  
Field Width 108.11m  
Field Height 79.81m



Front Warp Field Profile  
Cross Section Area 5288.85 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 5288.85 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 52188.85 m<sup>2</sup>

CATCHON CLASS

FEDERATION VESSEL



## LIGHT DESTROYER

## General Information

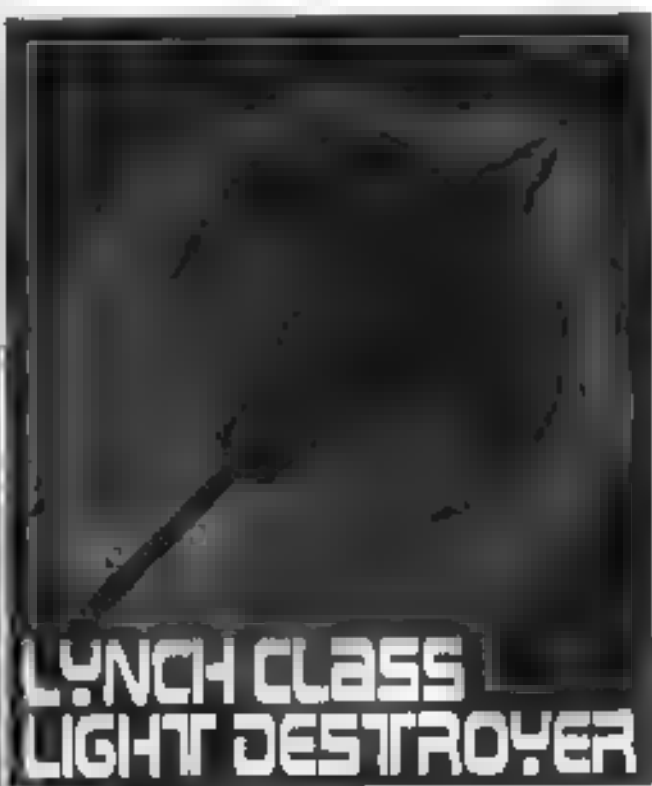


**Basic Role:** The Light Destroyer is a swift, powerful, most effective starship used for patrols, surveillance and Federation defense. The primary mission of the light destroyer is patrol duty along various treaty zones. During military operations, the light destroyer is used for assault missions and perimeter defense for the larger capital ships. The light destroyer is also used to escort civilian ships through troubled regions. The vessel is equipped with extensive ECM equipment to help survive. The vessel's small size makes it both swift and hard to target.

**Physical Description:** The destroyer (PH147/W M2) primary hull is retrofitted and equipped with supplemental targeting sensors and a small hangar deck (located on the port side). Integrated into the standard deflector grid are additional electronic shield measures to make the vessel more stealthy. The primary hull is also equipped with a (DSK E T) tactical bridge which incorporates a large weapons and tracking station. On the lower part of the primary hull is the (SM49/20) main sensor array (with M2 B) navigation dome. Located port starboard and forward from the top and bottom of the primary hull are G (Fr2/40/20) phaser batteries. To the rear of the primary hull are (H1465/2 IN) cold impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated via single (SW52) WPA warp nacelle mounted underneath the sensor array by a (L2/32Y) steering dorsal. Located on dorsal are the (M5/3/15) intermix chamber and (AMB/8/2) matter/antimatter storage tanks. The storage tanks are located at the rear of the sensor array dorsal for emergency jet burning. Separated between the dorsal of the nacelle is a forward facing (PH2/25 J-E) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

For additional details refer to Starship: MV-25

## Class Emblem



## Ship Silhouettes

Total Target Area 17880.08 m<sup>2</sup>  
Average Target Area 5960.03 m<sup>2</sup>



Top Silhouette  
Area 1307.64 m<sup>2</sup>



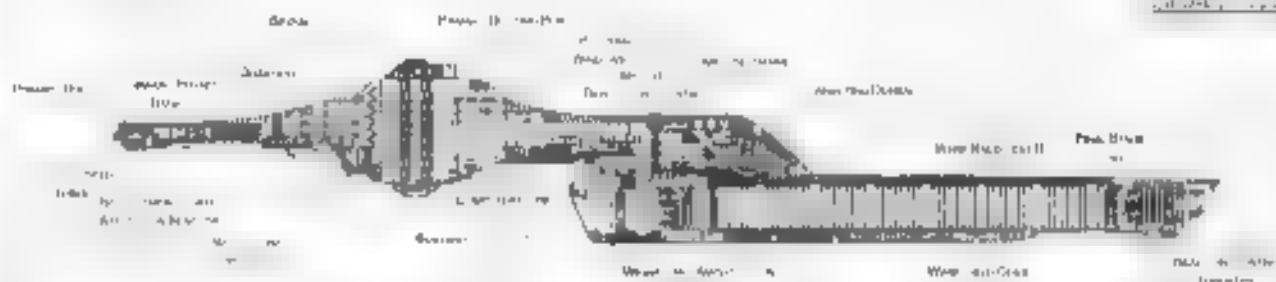
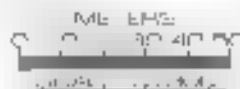
Port Silhouette  
Area 4827.78 m<sup>2</sup>



Front Silhouette  
Area 784.63 m<sup>2</sup>



## LYNCH CLASSES



### CROSS SECTION

## Statistics

[illegible]

Optimum Speed: 4  
Max. Safe Cruising: 6  
Emergency Speed: 100  
Min. Speed: 0  
Descent/Ascent Speed: 0.75  
Acceleration: Forward: 7  
Acceleration: Turn: 10  
Warp 1 Warp 2: 11.100 m/s  
Warp 3 Warp 4: 11.200 m/s  
Warp 5 Warp 6: 11.300 m/s  
Warp 7 Warp 8: 11.400 m/s  
Warp 9 Warp 10: 11.500 m/s  
Warp 11 Warp 12: 11.600 m/s  
Warp 13 Warp 14: 11.700 m/s  
Warp 15 Warp 16: 11.800 m/s  
Warp 17 Warp 18: 11.900 m/s  
Warp 19 Warp 20: 12.000 m/s  
Duration (Trans):  
Standard: 4 Years  
Maximum: 16 Years  
Max. Ship Complement: 320  
Officers: 7  
Crew (Foreign Crew): 25  
Troops: 7  
Passengers: 70  
Emergency condition: + 42  
Medical facilities:  
Doctors:  
Medical Staff: 7  
Operating Room: 7  
Beds: 5  
Laboratories: 4  
Transportation Total: 7  
Person: 11  
4 Person: 0  
8 Person: 0  
12 Person: 0  
20 Person: 0  
Small Cargo:  
Medium Cargo:  
Large Cargo: 0  
Special Cargo: 0

Brigs  
 Bayliner 2000  
 Trawler Boats:  
 Tom Varsity 1967 17  
 Max Range 4 06 am  
 Cargo Specifications  
 Standard Cargo Units 100  
 Cargo capacity 17 tons  
 Classification Specifications:  
 Docking Port 2  
 Intermediate Bay Tonnage  
 Rough Bay  
 Medium Bay 0  
 Large Bay 11  
 Super Bay 0  
 Intermediate Standard 14  
 Work Boats  
 Trawl Pods:  
 Aquatic Wildlife:  
 Light Boat 10 0  
 Standard Shallow:  
 Heavy Boat 1  
 Large Shallow:  
 Ancient Shallow:  
 Elder Boats  
 Light Fighter 7  
 Fighter 7  
 Heavy Fighter 7  
 Lifeboats 71  
 Torpedo 16 person  
 Lifeboat 0 person 7  
 Lifeboat 100 person 7  
 Lifeboat 100 person 0  
 Climbing Devices 0  
 Season Index Values:  
 Planetary Survey 31  
 Stellar Survey  
 Short Range: 13  
 Long Range: 2  
 Navigated: 3  
 Special: 83  
 Components 2  
 Type: Drydock (Drydock) 1111  
 Type: Detached (Detached) 1111

04 M Deck - 0  
 Shell: Rating:  
 Shell: 10000 200  
 Maximum Power 4 21000 W  
 Maximum Rate 2100 W  
 Breakdown Rate 440000 W  
 Shell: 10000000 1000000  
 Length 1000 m  
 Width 100 m  
 Height 100 m  
 Weapons  
 Main Power Index 100  
 Photon Power Index 100  
 Torpedo Power Index 100  
 Weapon Floor: 100  
 Beam (Phaser) Total: 2 each  
 Output 2100 W 500 W  
 Range 500 m  
 Rate of Fire 2 per sec  
 Forward Banks: 2  
 Star Banks: 0  
 Port Banks: 2  
 Starboard Banks: 0  
 Upper Banks: 0  
 Lower Banks: 0  
 Beam (MegaPhaser) Total: 0  
 Output 400  
 Range 400  
 Rate of Fire: 100  
 Forward/Star Banks: 0  
 Port Starboard Banks: 0  
 Upper/Lower Banks: 0  
 Torpedoes (Phaser) Total: 2 Rays  
 Shock: 10  
 Range 2100 m  
 Output 10 50 MT  
 Rate of Fire: 10 per  
 Forward Bay:  
 Star Bay 0  
 Port Bay 0  
 Starboard Bay: 0  
 Upper Bay 0  
 Lower Bay: 0

# FEDERATION VESSEL



A horizontal scale bar labeled "METERS" at the top. It has major tick marks at 0, 10, 20, 30, 40, and 50. Below the bar, the text "SCALE 1:500" is printed.



## Ship Names

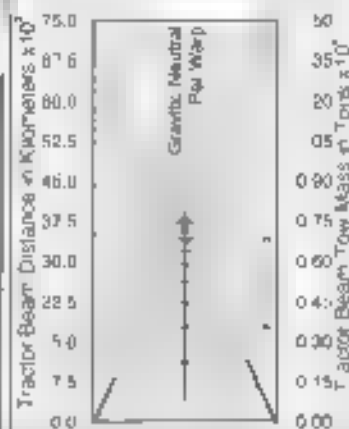
THE FOLLOWING SHIPS OF THE MK-XXXVII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2288.10

[illegible][illegible][illegible]

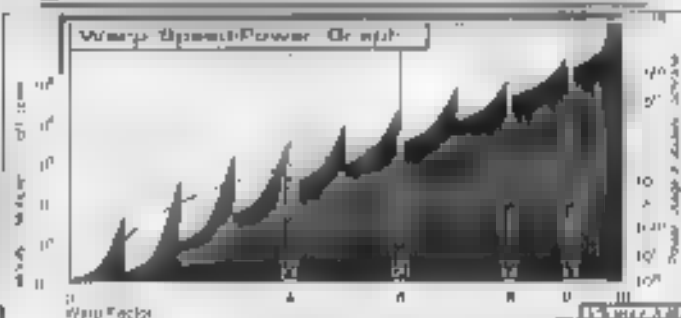
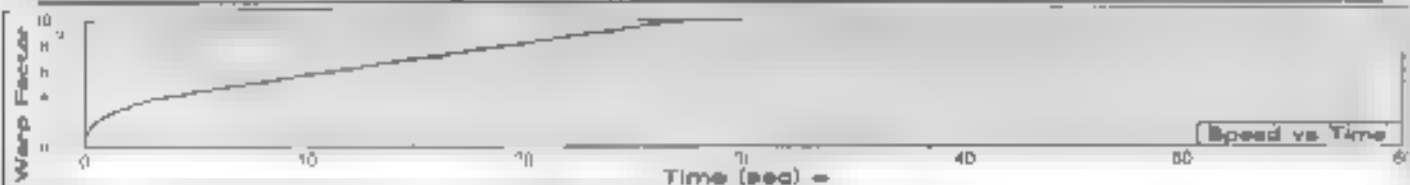
WELLES MCC 8270  
WILDER MC 8200  
WILLIAMS MC 8200  
ZEFFRELLS MC 823  
ZIMMERMAN MC 8290  
ZUCKER MC 8200  
ZUCKER MC 8200

## Tractor Beam Specifications

### Primary Yacht Beam Load Calculator



CLANG SHIP. LOST IN THE LINE OF DUTY. "PROPOSED. ALL NAMES PREFIXED WITH "U.S.S."



Field Length:	606.3mm
Field Width:	60.3mm
Field Height:	88.4mm



Front Warp Field Profile  
Gross Reaction Area 7783.61 m<sup>2</sup>

Port Warp Field Profile  
Cross Section Area 21444.37 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 47188.27 m<sup>2</sup>

## LONG RANGE DESTROYER



## General Information

**Specific Role:** The Long Range Destroyer's design contains outstanding phaser power in a long range compact vessel. It was determined that there was the need for a long range destroyer to cover the expanses of the Federation Territory. The primary use of the long range destroyer is extended long range military and patrol duty. During military activity the destroyer is used for assault where a fast light ship with overwhelming phaser firepower is needed. The vessel is equipped with extensive ECM equipment to help it survive. Due to the vessel's high power and small size it is agile and hard to target.

**Physical Description:** The (PH147/W M2) primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The vessel is also equipped with additional inertia dampening generators to help compensate for the vessel's exceptional agility. The primary hull is equipped with a (B5 O/A T3) bridge incorporating a larger weapons and tracking station. On the lower part of the primary hull is the (SM43/2) main sensor array and (GN1/3 B) navigational home. Below the main sensor array is the (SME97H 2A) lower sensor array. On either side of the primary hull are the (MF1 5 2) MegaPhasers located on the port and starboard bow of the primary hull. (Port top and bottom) are six (F42 40 2C) standard phaser banks. At the rear of the primary hull are (P148P/4) dual impulse engines which are used for auxiliary power and sublight propulsion. The vessel's warp fields are generated by two (SW52 3 4H) warp nacelles located to either side of the photon torpedo tubes mounted underneath the secondary hull by a (D1 42 25F) sensor ed connecting dorsal. Inside the connecting dorsal are the (M20/9 2H) torpedoes and (AMH 42 4Y) matter/damper storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency recharging. Next to the dorsal and the nacelles is a (D144/25 0N) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelles. Once separated the primary hull can maneuver on its own power for extended periods of time.

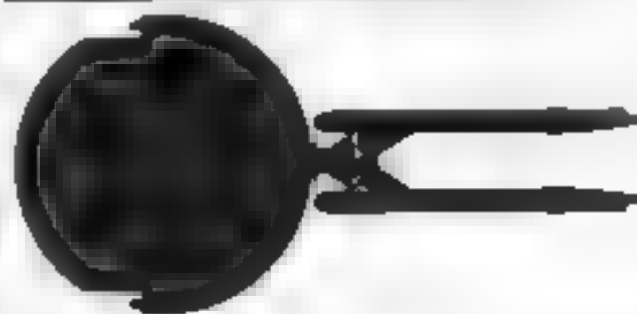
For additional detail refer to Datasheet MV-5.

## Class Emblem



## Ship Silhouettes

Total Target Area 26482.40 m<sup>2</sup>  
Average Target Area 1007.47 m<sup>2</sup>



Top Silhouette  
Area 10082.61 m<sup>2</sup>



Port Silhouette  
Area 4882.11 m<sup>2</sup>



Front Silhouette  
Area 5107.68 m<sup>2</sup>



## FEDERATION VESSEL





# LONG RANGE DESTROYER

## Ship Names

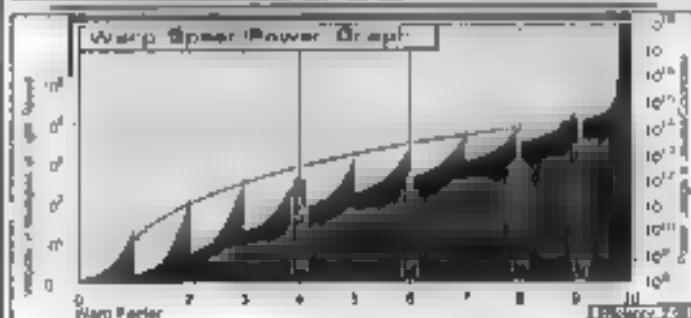
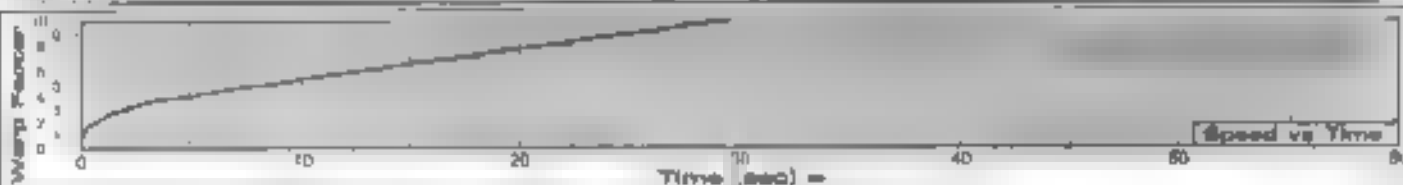
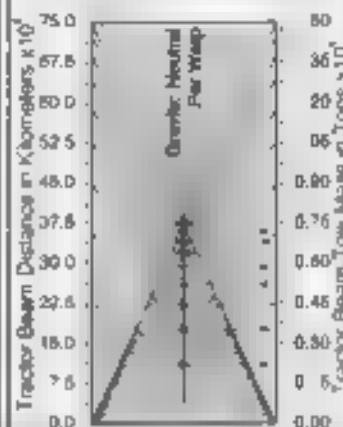
THE FOLLOWING SHIPS OF THE MK XXXVIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2289.10

AKUCHI -NCC- 2142	KODACHI -NCC- 2126	XIPHOX -NCC- 2122
ANATH -NCC- 2143	KOSATANA -NCC- 2108	ZINBA -NCC- 2110
BARONG -NCC- 2138	KORIS -NCC- 2132	
CAMILLAN -NCC- 2120	KRIS -NCC- 2138	
CHIKI -NCC- 2143	KURRI -NCC- 2104	
CHOD-EDDA -NCC- 2112	KUSARASAMA -NCC- 2128	
CUT-ABS -NCC- 2142	LIPIA -NCC- 2108	
DOJANUM -NCC- 2144	LOMISWARI -NCC- 2147	
ENPA, A. KOREIA -NCC- 2131	MAHITTE -NCC- 2133	
S. K. -NCC- 2131	MAHARA -NCC- 2150	
FAL-JAON -NCC- 2130	NATHANAK -NCC- 2115	
FAMBERGE -NCC- 2121	NIJUM -NCC- 2114	
ITA -NCC- 2125	PARANG -NCC- 2110	
JEANUS -NCC- 2140	PL-SE -NCC- 2116	
GO OK -NCC- 2135	PINIE -NCC- 2148	
GRASSMEER -NCC- 2112	PULAWI -NCC- 2118	
HARPH -NCC- 2142	RAPIER -NCC- 2100	
JAN -NCC- 2131	SAR -NCC- 2135	
ITTE -NCC- 2123	YAK -NCC- 2104	
KASHIMA -NCC- 2134	SHANSHIP -NCC- 2124	
KHOPSH -NCC- 2128	SPATIA -NCC- 2110	
KI -NCC- 2131	TALH -NCC- 2101	
KJE-JAI -NCC- 2148	YAKABA -NCC- 2133	
KLJA -NCC- 2144	AN -NCC- 2104	
KORIN -NCC- 2140	IRITAN -NCC- 2144	

CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED, ALL NAMES PREFIXED WITH "L.R.D."

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



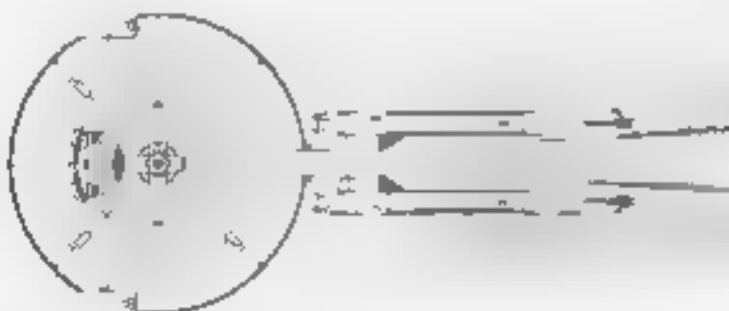
Field Length 88.88m  
Field Width 178.48m  
Field Height 88.87m



Front Warp Field Profile  
Cross Section Area 8272.81 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 8272.81 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 8272.81 m<sup>2</sup>



# PT: DESTROYER



## General Information

**Specific Role:** The PT Destroyer's unique design allows it deliver a formidable barrage of photon torpedoes that even the largest of capital ships find hard to defend against. The PT Destroyer can also be used when a large number of probes and sensors are to be launched. The PT Destroyer's slender secondary hull has photon torpedo tubes capable of firing with the standard firing rate. This vessel is equipped with extensive ECM equipment to help it survive.

**Physical Description:** The PT Destroyer incorporates a special (PH 47/D-M9) primary hull equipped with additional engineering sensors, bridge, reactor core and a small hangar located on the upper starboard side. The (BS1-D-R3) bridge incorporates a larger weapons and tracking systems capable of monitoring and controlling up to 50 independent torpedo trajectories. In addition to the standard deflector grid are additional electronic countermeasures to make the vessel more stealthy. On the lower part of the primary hull is the (SM49-SF) main sensor array and (DNA-3) navigational dome. Located on the port starboard side below the primary hull are six (2-4-2) phaser banks. At the rear of the primary hull are (1-8-5-10) dual impulse jets which are used for auxiliary power and as warp propulsion. The vessel is also equipped with additional internal dispensers to support safe for an increased maneuvring capabilities. Below the primary hull is the tripled (S-47-L-M9) secondary hull. The vessel's warp drive is generated by two (SW-2/1-5) dual warp cores attached to the secondary hull by (1-40-6) support pylons. The lower hull (1-15-20-20) photon torpedoes as 16 mounted above the slender secondary hull. Inside the secondary hull is the (SM-4-1-2) internal transport and the (AMH-1-1-1) main transporter stage tanks which are easily jettisoned in case of an emergency. In the event of an emergency the primary and secondary hulls can separate leaving the secondary hull detached. Once separated the primary hull can maneuver on impulse power for extended periods of time.

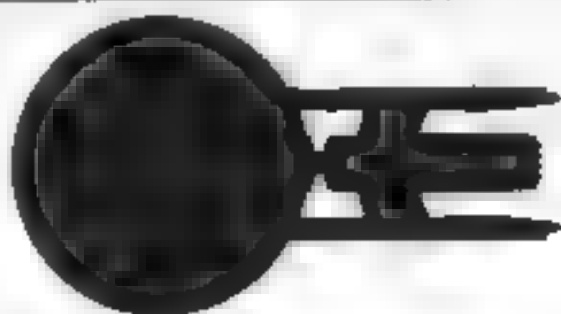
For additional detail refer to Datastreet Mv 7

## Class Emblem



## Ship Silhouettes

Total Target Area 38327.10 m<sup>2</sup>  
Average Target Area 1 643.71 m<sup>2</sup>



Top Silhouette  
Area 23420.07 m<sup>2</sup>



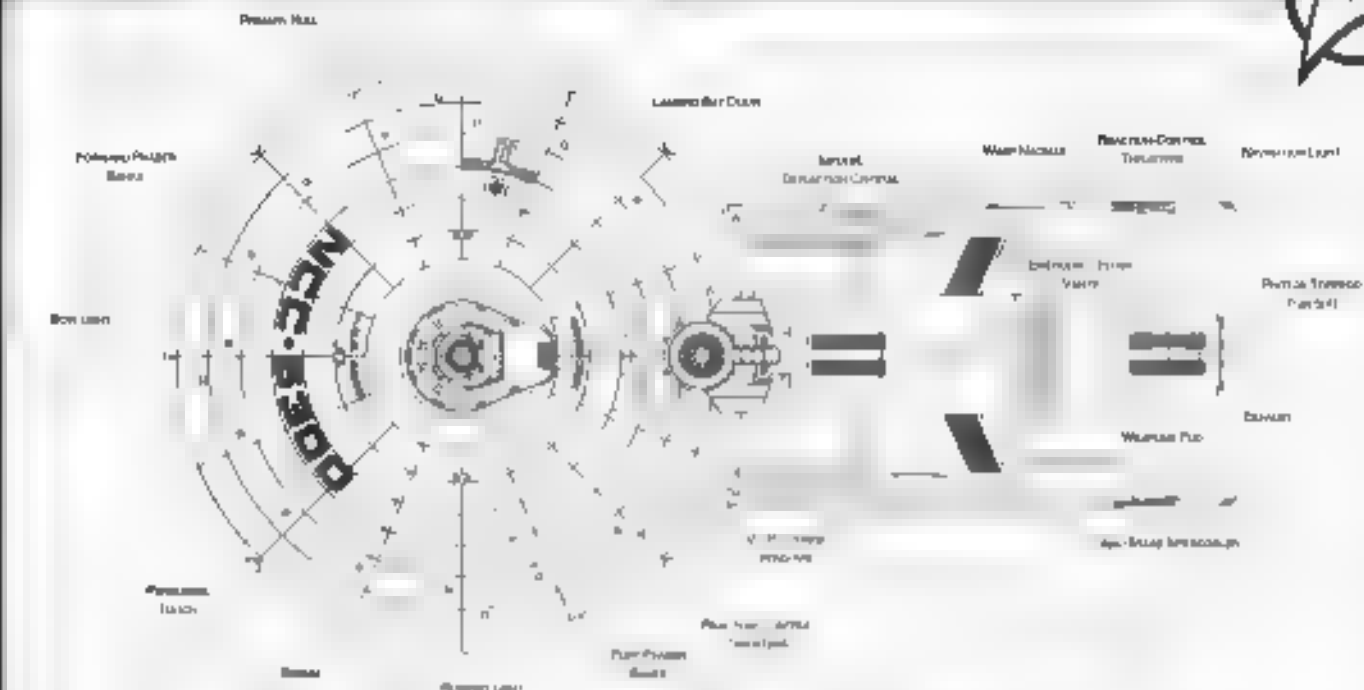
Port Silhouette  
Area 2606.17 m<sup>2</sup>



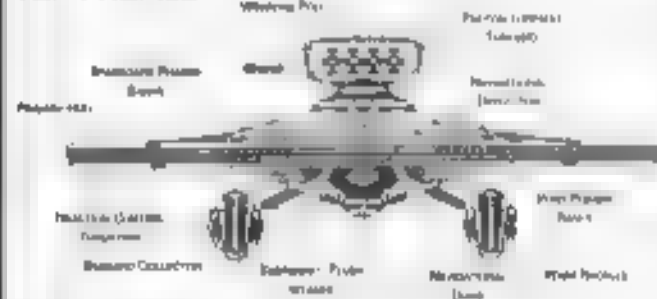
Front Silhouette  
Area 2360.86 m<sup>2</sup>



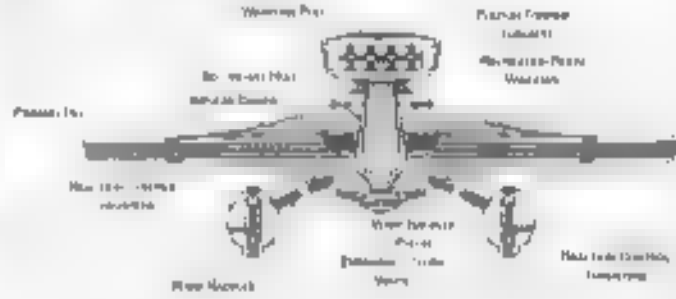
# PT DESTROYER



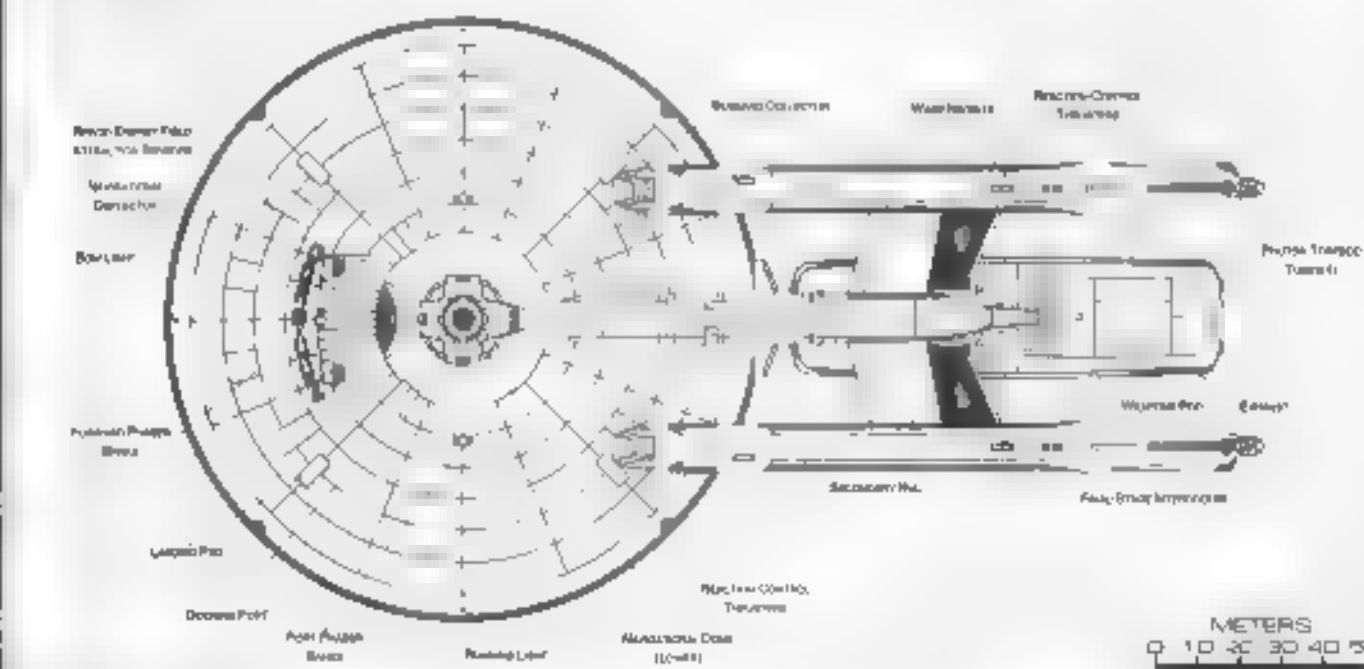
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS  
0 10 20 30 40 50  
SCALE 1:600



## Ship Names

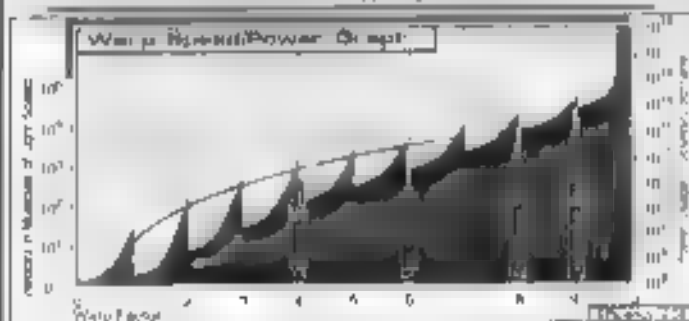
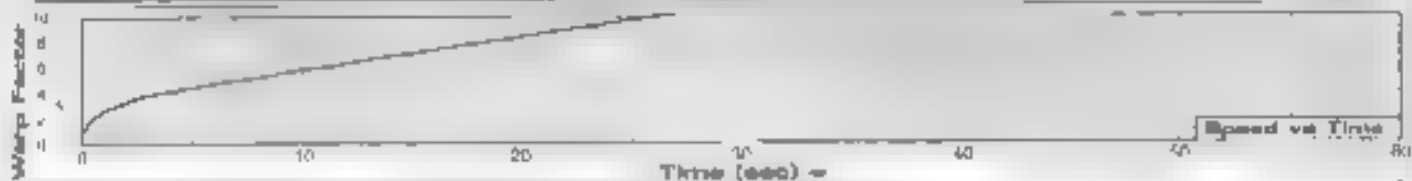
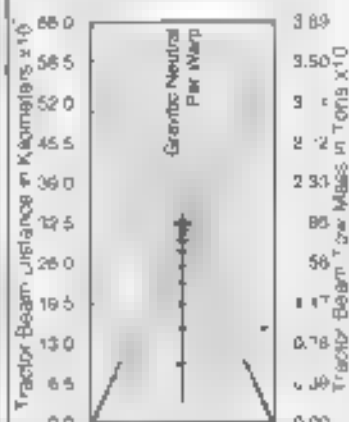
[illegible]

WU XIAO HUO  
WANG HONG  
WANG HONG  
WU XIAO HUO  
WANG HONG  
WANG HONG

CLASS SHIP. 'LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH 'U.S.M.'.

### Tractor Beam Specifications

### Example 1: Single Point Load



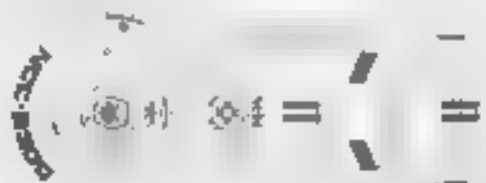
Placid Larkspur 山椒木 分用ハ  
 Placid Willow 下等ノ西松  
 Placid Mesquite 下等ノ西松



Front Warp Field Profile  
Cross Section Area 4253.45 m<sup>2</sup>



Fort Werp Field Profile  
Grass Section Area 84817.43 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 65858.35 m<sup>2</sup>

# COMMAND CRUISER



## General Information

**Specific Role:** The Command Cruiser is a reasonably swift and extremely powerful vessel. The addition of an extended primary hull and a third warp nacelle give the vessel outstanding reserves, an elevation top speed and fire power. The primary mission of the Command Cruiser is to serve as a flagship for fleet engagement. The secondary mission is diplomatic enforcement between quarreling allied worlds. The vessel is equipped with extensive ECM equipment to help it survive.

**Physical Description:** The Command Cruiser's (PHE1477) M2 extended primary hull contains extremely heavy weapons, shielding and ECM/ECM devices, as well as a (S9 C 52) multi-level strategic bridge which includes dual weapons sections and an additional tracking section. Within the strategic bridge suspended between two large holographic battle field display gives the Fleet Commander an immediate heads up on battle field developments and can also be used to run battle plan simulations and probable counter strategies. Mounted on the underside of the primary hull are the designated (SM18/5) main sensor array and (DN54/5) QX navigational tracking dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (HP2/30) 20 phaser banks. On the rear of the secondary hull are the M2 (4) 20 phaser banks. On the underside of the secondary hull are two additional R2 (4) 20 phaser banks. Above the primary hull extension mounted port and starboard are two M2 (15) 20 Mega-Tasers. Port and starboard on the upper primary hull forward of the raised extension are supplementary (DN2 4) 20 navigational deflector. To the front of the secondary hull is the (DN2 1) 20 primary navigational deflector used to assist the navigational abilities in deflecting incoming debris. Mounted on the rear of the primary hull are two (SE 4) 40 dual impulse units which are used for auxiliary power and sub light propulsion. Two mechanical tractor locks are mounted on the starboard side of the impulse engines on the rear of the primary hull and the second at the rear of the secondary hull. Located between the dorsal and the secondary hull is a forward facing (H2 25) 200 photon launch bay. The vessel's warp fields are generated by three (SWH2 5) 200 warp nacelles. The outboard nacelles are attached to the secondary hull by (H47 730) support pylons while the central nacelle is attached by a (H1 2) 2000 support pylons. Below the primary hull is the (S1 117) 2 secondary hull support by a (H1 50) support at launch. On the front of the secondary hull is a (DN2 1) 20 navigational deflector used to assist the navigational abilities in deflecting incoming debris. Mounted along the rear of the primary hull is a (H47 2000) command section for ship's deck operations in coordination with the rear banks as the fleet is advancing. Six rings in the bottom of the secondary hull are running through the command section. The top of the primary hull is the M25/18 20 command chamber and (AMM/48 5) 20 quarters for the bridge crew. Below the command chamber and the command chamber can be jet forward. The crew of the primary and secondary hulls are separate and the primary hull can maneuver at high power for extended periods of time.

For additional detail refer to DataSheet MV 17.

### Class Emblem



### Ship Silhouettes

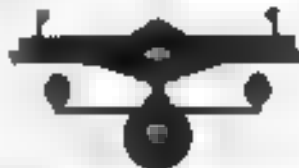
Total Target Area 40030.88 m<sup>2</sup>  
Average Target Area 13343.63 m<sup>2</sup>



Top Silhouette  
Area 17884.30 m<sup>2</sup>



Port Silhouette  
Area 2080.88 m<sup>2</sup>



Front Silhouette  
Area 3780.00 m<sup>2</sup>



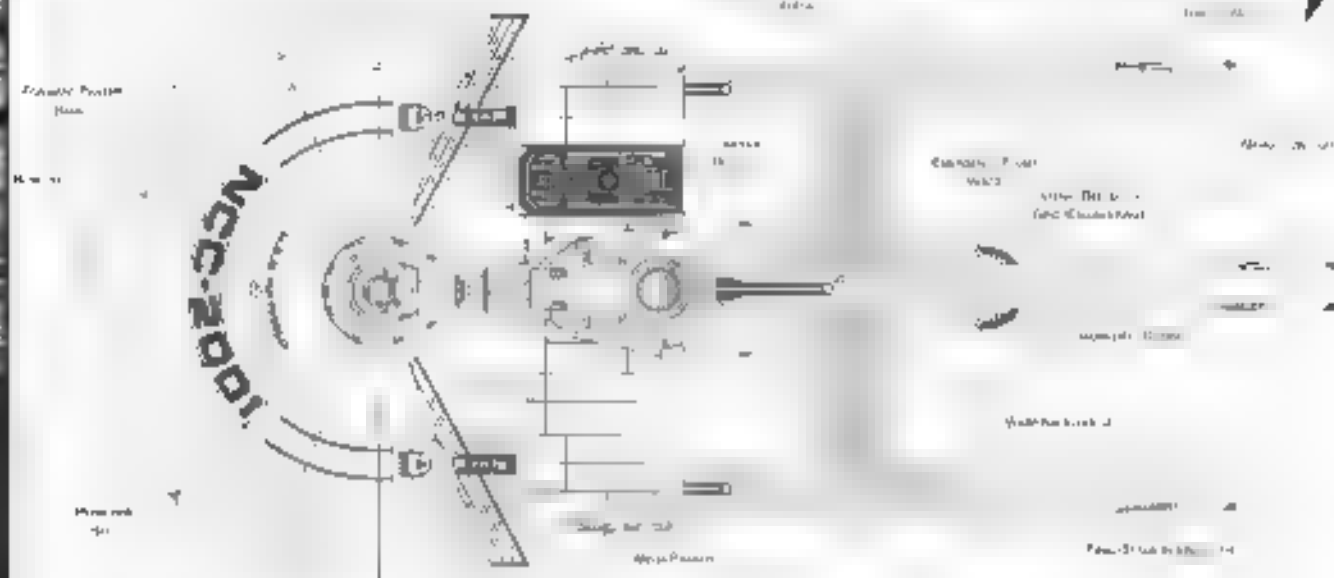
# COMMAND CRUISER



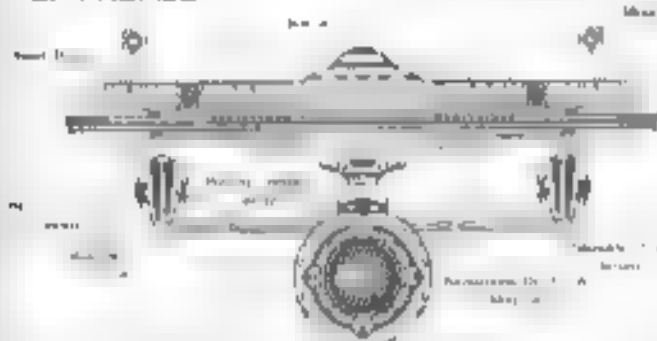
PRIMARY 30

Warp Drive  
Reactor Core

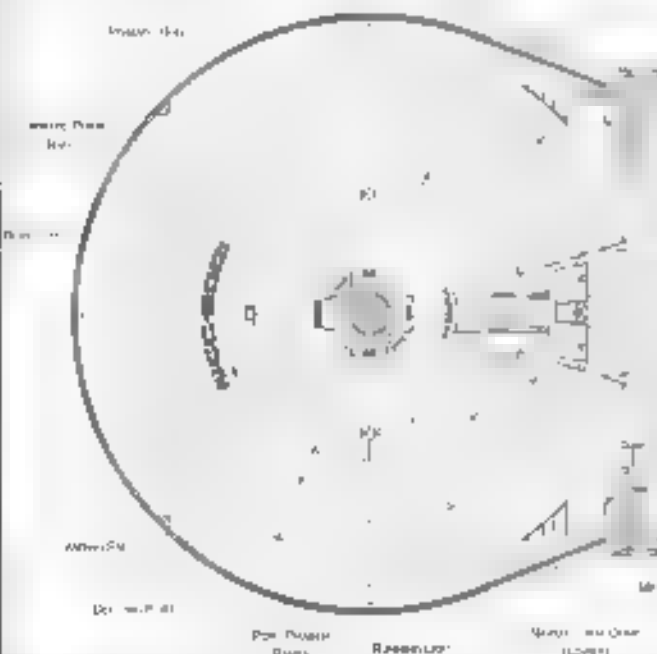
Reactor Core



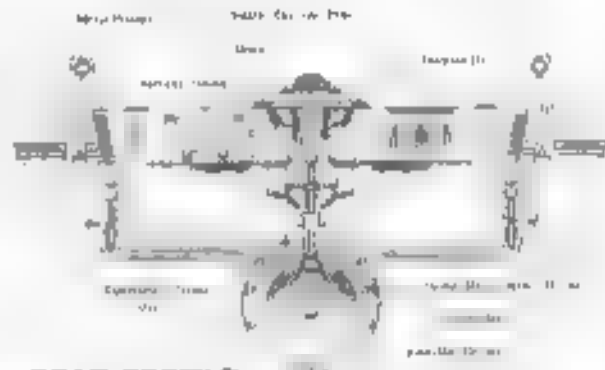
TOP PROFILE



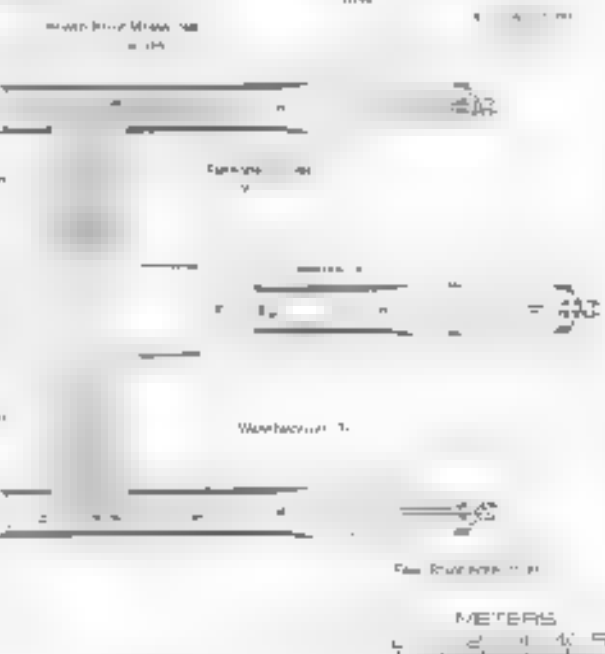
FRONT PROFILE



BOTTOM PROFILE



REAR PROFILE



METERS  
0 10 20 30 40 50



# COMMAND CRUISER

## Ship Names

THE FOLLOWING SHIPS OF THE MK-XVIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2271.4

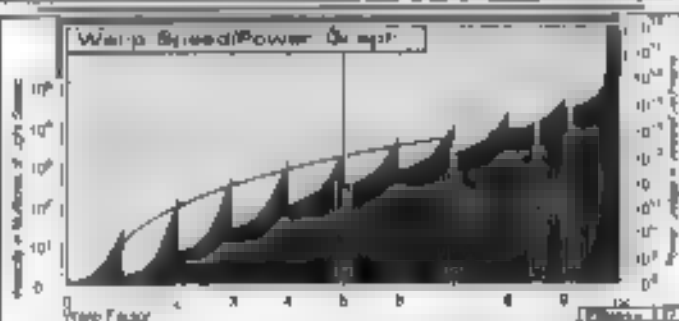
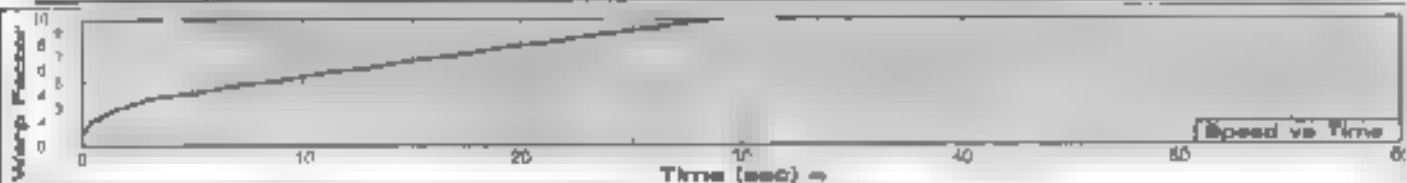
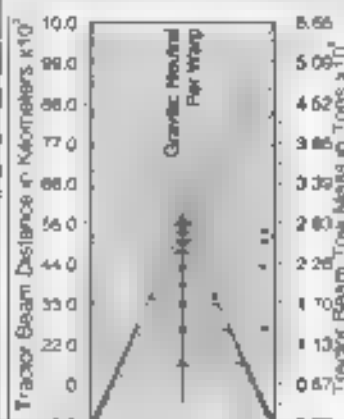
ARCHIVE -NCL 2014"  
B-GGLER -NCL 2009  
FENIRA -NCL 2010  
IN -NCL 2021  
OLLEPPER -NCL 2028"  
UEHINKER -NCL 2030"  
OR WAZ -NCL 2022"  
IA -NCL 2021  
HENDRICKSON -NCL 2009  
HEWIER -NCL 2010"  
VAB -NCL 2025"  
AID -NCL 2018  
KRAI -NCL 2015  
LUNERT -NCL 2020  
VTH -NCL 2020  
MAST -NCL 2028"  
MAST -NCL 2010  
MAST -NCL 2020  
MAST -NCL 2024"  
MAST -NCL 2021  
MAST -NCL 2010  
PE -NCL 2004  
IL -NCL 2014  
IL -NCL 2014  
IL -NCL 2014

SUNSHINE -NCL 201  
TRANSFER -NCL 2002  
TU -NCL 2016  
WILDFIRE -NCL 2027"  
YUSHUA -NCL 2023"  
ZADPA -NCL 2005

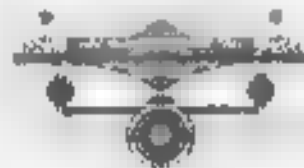
CLASS SHIP, LOST IN THE LINE OF DUTY, "PROPOSED ALL NAMES PRECEDED WITH "USS."

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



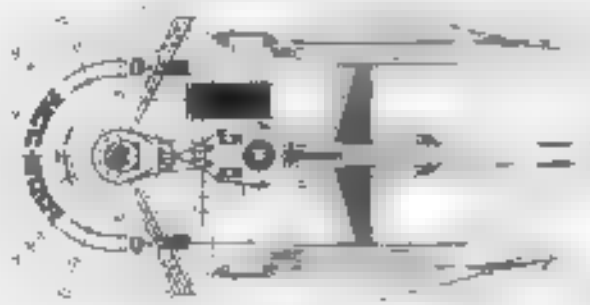
Field Length: 877.83m  
Field Width: 80.34m  
Field Height: 88.14m



Front Warp Field Profile  
Cross Section Area 14800.88 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 3881.87 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 77008.88 m<sup>2</sup>

HATFIELD CLASS

FEDERATION VESSEL



## CRUISER



## General Information

**Specific Role** The Cruiser is the backbone of the Federation for exploration and defense. It is equipped with moderate laboratories, standard weapons systems and defensive ECM equipment. Its primary mission is exploration, however, it is also used for perimeter defense and diplomatic duty. The Cruiser is often used as a research facility in areas too dangerous for lightly armed dedicated research vessels.

**Physical Description** The (PH 47/1113) primary hull is equipped with the (BS 01C 04) bridge. On the lower part of the primary hull is the (SM49/61) main sensor array and (N4 4N) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (B12 30 20) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (P2 4 2) phaser banks. A single photon torpedo bay is slung underneath the front of the secondary hull. To the rear of the primary hull are (1K 15) (1 6) dual impulse engines which are used for auxiliary power and sublight propulsion. The vessel's warp fields are generated by two (SW52 1 5A) warp nacelles attached to the (S 25 1 2) secondary hull by (D1 729 6) support pylons. The primary and secondary hulls are joined by a (D1 56 52) connector (dorsal) located to the rear of the secondary hull is the (N2 4 3) navigational deflector used to assist the shields in deflecting oncoming projectiles. On the lower part of the primary hull is the (SM49 2W) main sensor array (N4 4N) navigational dome located on the top of the primary hull is the forward hangar and (M12 25 1W) internal bay located to the rear of the dorsal is the (M2H 1 21) armory chamber. The (AMH 2H 4Y) maintenance storage racks are located on the secondary hull of the hull along the outer edge for emergency re-assembly. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional details refer to Datasheet MV 18.

## Class Emblem



## Ship Silhouettes

Total Target Area 36394 m<sup>2</sup>  
Average Target Area 0769.08 m<sup>2</sup>



Top Silhouette  
Area 81388.83 m<sup>2</sup>



Port Silhouette  
Area 7748.89 m<sup>2</sup>

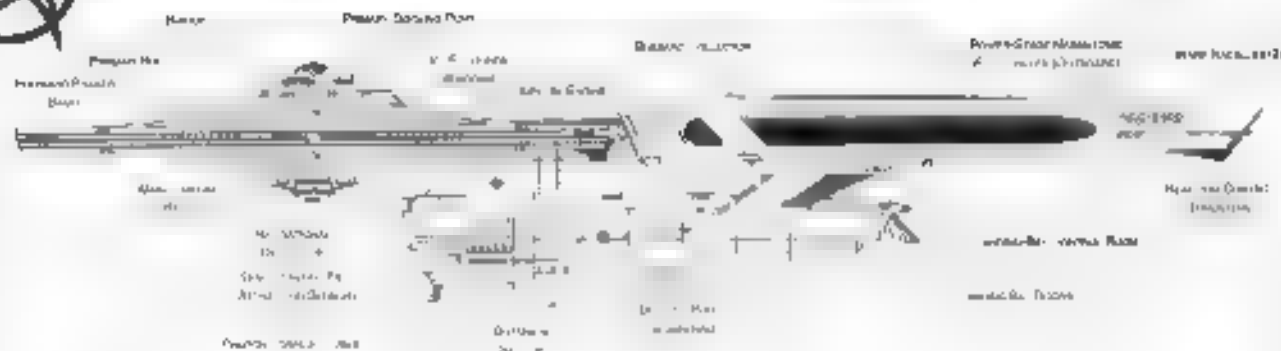


Front Silhouette  
Area 3228.75 m<sup>2</sup>

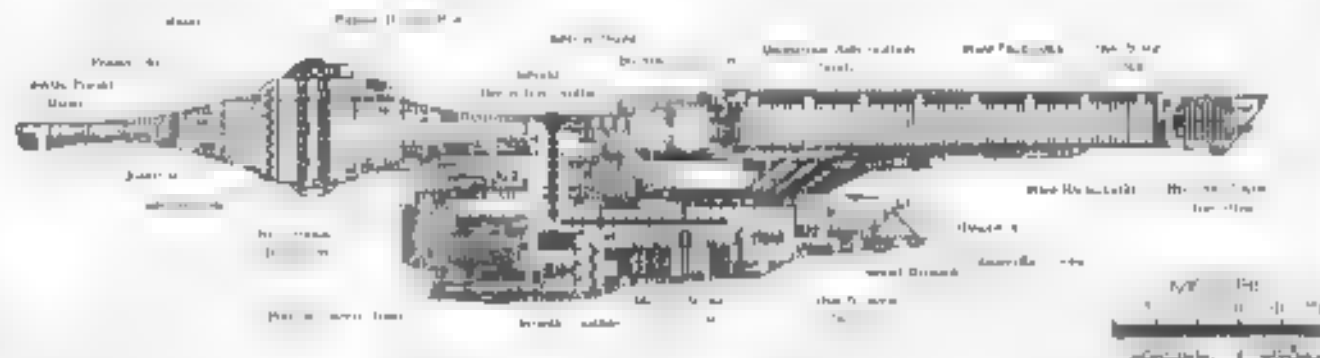


# CRUISER

PROJECT CLASS



## PORT PROFILE



## CROSS SECTION

# Statistics

### Classification

Category: **Cruiser**  
Class: **SRMA**  
Type: **CR**  
Model: **SRMA-1**  
Naval Architecture Contract: **2400**  
Number Proposed: **55**  
Number Constructed: **38**  
Number in Service: **18**  
Number Lost: **3**  
Dimensions:

### Overall Dimensions (Meters)

Length: **28.3 m**  
Width: **10**  
Height: **28.7**

### Primary Hull Dimensions (Meters)

Length: **26.7 m**  
Width: **4.12 m**  
Height: **2.94 m**

### Secondary Hull Dimensions (Meters)

Length: **1.10 m**  
Width: **1.6 m**  
Height: **5.6**

### Warp Core Dimensions (Meters)

Length: **17.5 m**  
Width: **5.7 m**  
Height: **18.12 m**

### Displacement (Metric Tons)

Light: **149540 t**  
Standard: **8.30 MT**  
Full Load: **20289 t**

### Performance:

Impulse Data: **2.41 full (REF) 5.0 (RD)**  
Impulse Engine Output: **Act 11" W**  
Impulse Power Index: **10**  
Max Cruising:

### Acceleration Rate:

0.00-0.25 impulse: **2184 sec**  
0.25-0.50 impulse: **776 sec**  
0.50-0.75 impulse: **307 sec**  
0.75 Full Impulse: **64 sec**

Warp Units: **2 built-in (15WSD) SAC**

Warp Engine Output: **2x10<sup>10</sup> W**

Warp Power Index: **08**

### Lightest Speed 4

Max Warp Cruising: **8**

Cruising Speed: **8**

Max Speed: **2**

Destruction Speed: **0.25**

Acceleration Power: **1**

### Acceleration Time:

Warp 1: **0.184 sec**  
Warp 2: **0.184 sec**  
Warp 3: **0.184 sec**  
Warp 4: **0.184 sec**  
Warp 5: **0.184 sec**  
Warp 6: **0.184 sec**  
Warp 7: **0.184 sec**  
Warp 8: **0.184 sec**  
Warp 9: **0.184 sec**  
Warp 10: **0.184 sec**  
Warp 11: **0.184 sec**  
Warp 12: **0.184 sec**  
Warp 13: **0.184 sec**  
Warp 14: **0.184 sec**  
Warp 15: **0.184 sec**  
Warp 16: **0.184 sec**  
Warp 17: **0.184 sec**  
Warp 18: **0.184 sec**  
Warp 19: **0.184 sec**  
Warp 20: **0.184 sec**

### Duration (Years)

Standard: **4.444**

Maximum: **10.000**

Std Range: **complement 408**

Officers: **11**

Crew (Design Grade): **32**

Troops: **40**

Emergency condition: **+532**

### Medical Facilities

Doctors: **4**

Medical Staff: **8**

Operating Rooms: **3**

Pods: **7**

### Laboratories:

Transports: **6**

Transports: **6**

Transports: **6**

Transports: **6**

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### Warp Index: 100

Warp Index: **100**

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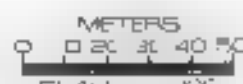
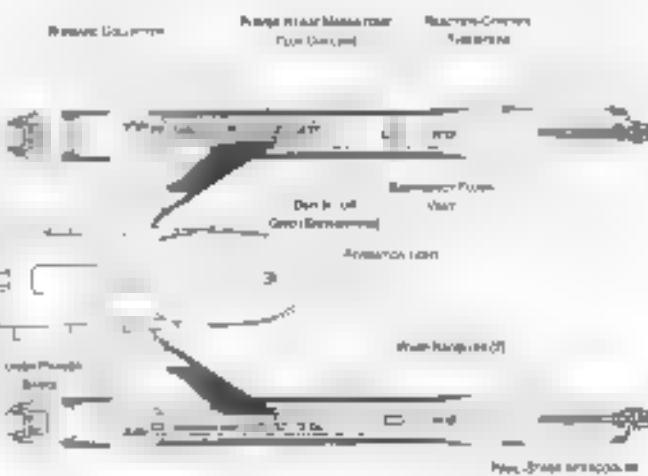
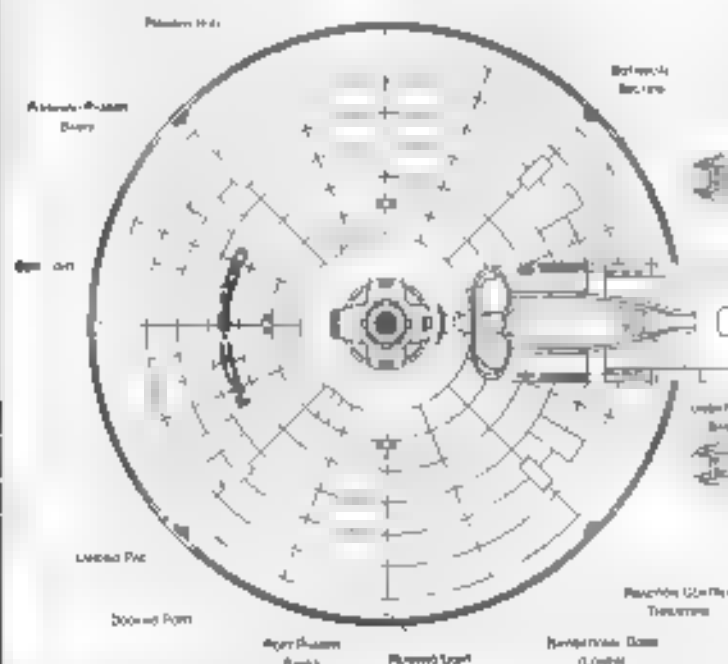
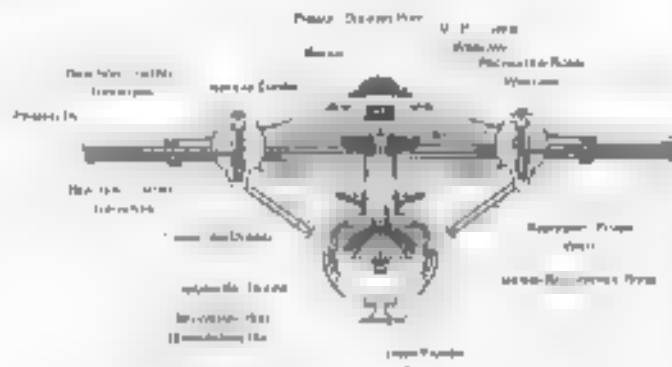
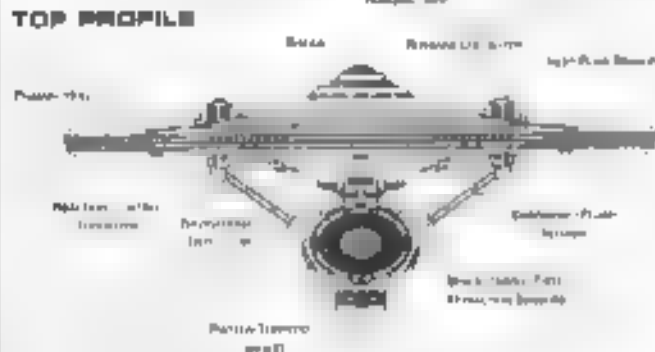
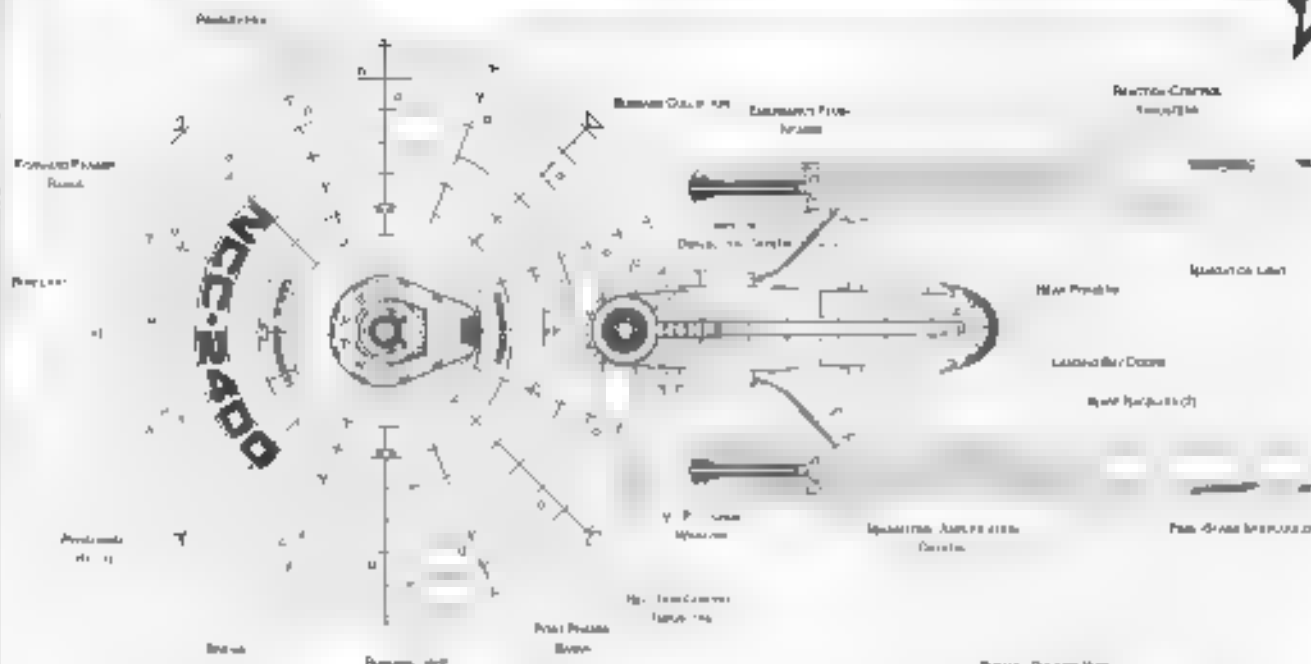
Warp Index: **100**

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PROJECT CLASS

# CRUISER





# Ship Names

CRUISER

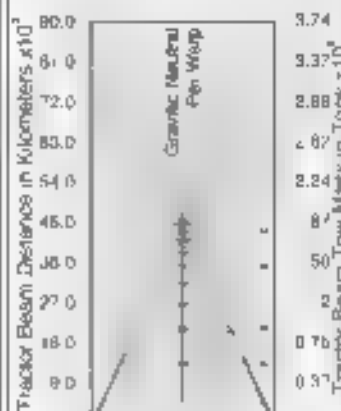
PODESTI CLASS

THE FOLLOWING SHIPS OF THE MK-XII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.5

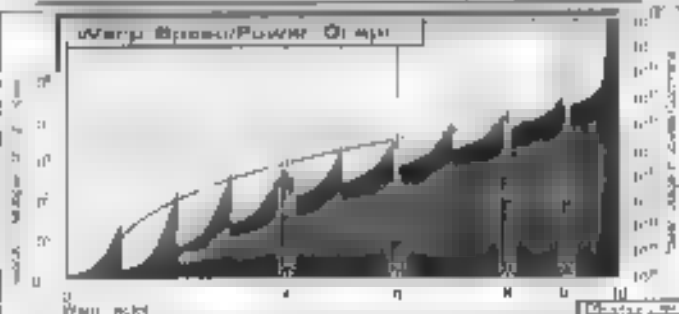
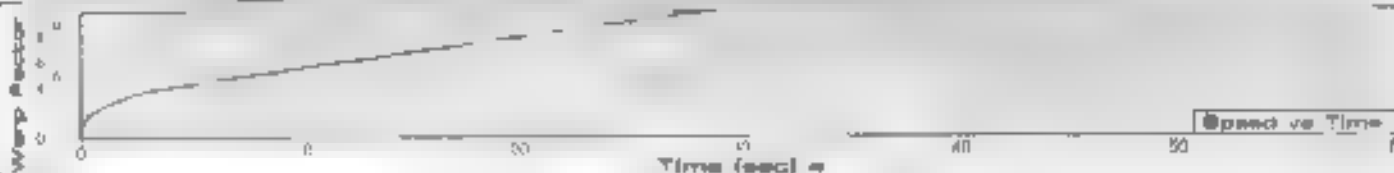
ADRIAN (NCL 2401)	GRIT (NCL 2424)	MAKAI (NCL 2420)	THOMPSON (NCL 2480)
ALMA (NCL 2402)	GRIT (NCL 2425)	MAKAI (NCL 2421)	TRASK (NCL 2422)
ALMA (NCL 2403)	GRIT (NCL 2426)	MAKAI (NCL 2422)	TRAV (NCL 2423)
ALMA (NCL 2404)	GRIT (NCL 2427)	MAKAI (NCL 2423)	TRAV (NCL 2424)
ALMA (NCL 2405)	GRIT (NCL 2428)	MAKAI (NCL 2424)	TRAV (NCL 2425)
ALMA (NCL 2406)	GRIT (NCL 2429)	MAKAI (NCL 2425)	TRAV (NCL 2426)
ALMA (NCL 2407)	GRIT (NCL 2430)	MAKAI (NCL 2426)	TRAV (NCL 2427)
ALMA (NCL 2408)	GRIT (NCL 2431)	MAKAI (NCL 2427)	TRAV (NCL 2428)
ALMA (NCL 2409)	GRIT (NCL 2432)	MAKAI (NCL 2428)	TRAV (NCL 2429)
ALMA (NCL 2410)	GRIT (NCL 2433)	MAKAI (NCL 2429)	TRAV (NCL 2430)
ALMA (NCL 2411)	GRIT (NCL 2434)	MAKAI (NCL 2430)	TRAV (NCL 2431)
ALMA (NCL 2412)	GRIT (NCL 2435)	MAKAI (NCL 2431)	TRAV (NCL 2432)
ALMA (NCL 2413)	GRIT (NCL 2436)	MAKAI (NCL 2432)	TRAV (NCL 2433)
ALMA (NCL 2414)	GRIT (NCL 2437)	MAKAI (NCL 2433)	TRAV (NCL 2434)
ALMA (NCL 2415)	GRIT (NCL 2438)	MAKAI (NCL 2434)	TRAV (NCL 2435)
ALMA (NCL 2416)	GRIT (NCL 2439)	MAKAI (NCL 2435)	TRAV (NCL 2436)
ALMA (NCL 2417)	GRIT (NCL 2440)	MAKAI (NCL 2436)	TRAV (NCL 2437)
ALMA (NCL 2418)	GRIT (NCL 2441)	MAKAI (NCL 2437)	TRAV (NCL 2438)
ALMA (NCL 2419)	GRIT (NCL 2442)	MAKAI (NCL 2438)	TRAV (NCL 2439)
ALMA (NCL 2420)	GRIT (NCL 2443)	MAKAI (NCL 2439)	TRAV (NCL 2440)

## Traction Beam Specifications

Primary Traction Beam Load Calculation



CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH "U.S.S."



Field Length 55' 18in  
Field Width 185' 03in  
Field Height 24' 22in



Front Warp Field Profile  
Cross Section Area 11078.48 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 28086.33 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 74825.82 m<sup>2</sup>

FEDERATION VESSEL

## CRUISER



## General Information

**Specific Role:** The Cruiser is the backbone of the Federation for exploration and defense. It is equipped with moderate laboratories, standard weapons systems and defensive ECM equipment. Its primary mission is exploration, however it is also used for perimeter defense and diplomatic duty. The Cruiser is often used as a research facility in areas too dangerous for lightly armed dedicated research vessels.

**Physical Description:** The PH-62/V-F2 primary hull is equipped with the (BS9/V-U4) bridge. On the lower part of the primary hull is the (SM49/G) main sensor array and (UN4-1A) navigational dome. Located on the top of the primary hull is the forward firing and P12-25-3W impeller bay. Located on the port starboard area below the primary hull (both top and bottom) are six RP2-40-2V phaser banks. A single photon torpedo bay is mounted to the front of the primary hull. To the rear of the primary hull are (R33E/3-CB) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessel's warp fields are generated by two (SW52-5A) warp nacelles attached the rear of the primary hull by (D1-21-2F) support pylons. Located at the rear of the primary hull inside each pylon is the M31-1-2-B transmix chamber. The AM8/28-4Y matter antimatter storage tanks are located on the rear part of the hull along the outer edge for emergency jetboating. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MV-16

## Class Emblem



## Ship Silhouettes

Total Target Area 225 0.22 m<sup>2</sup>  
Average Target Area 2250.51 m<sup>2</sup>



Top Silhouette  
Area 2187.85 m<sup>2</sup>



Port Silhouette  
Area 4874.78 m<sup>2</sup>



Front Silhouette  
Area 2083.89 m<sup>2</sup>







# Ship Names

THE FOLLOWING SHIPS OF THE MC-XLIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2258 10

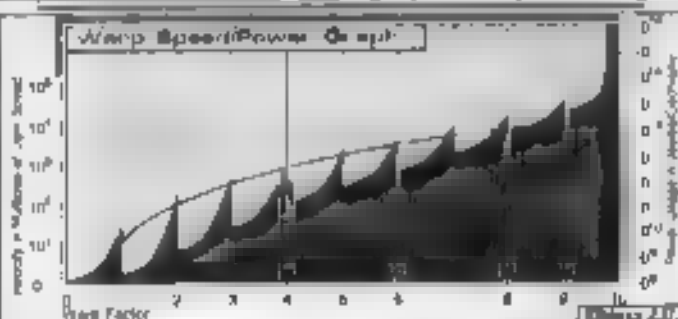
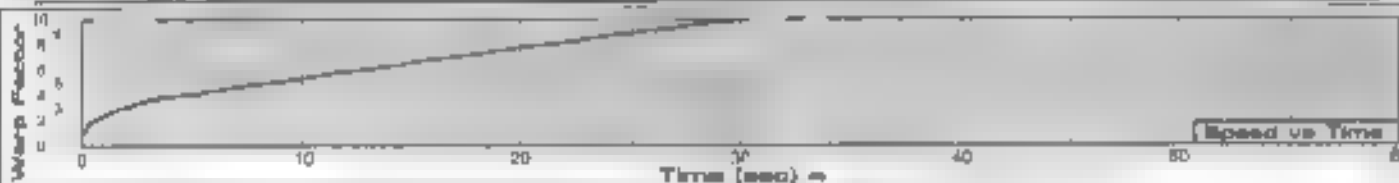
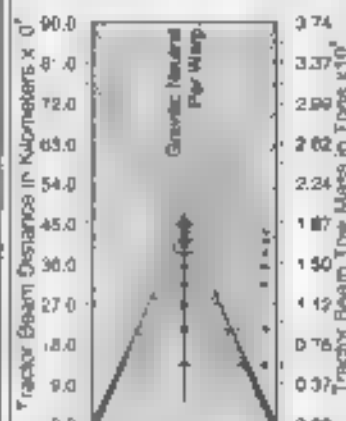
ACV244 - NC 9621	LORVELA - NCC 9642
AMUNDSEN - NC 9639	MAN - NCC 9643
BAKONUR - NCC 9638	MIYARA - NC 9603
BOKKINLA - NC 9624	NEW DERUN - NCC 9604
BOLPABI - NC 9623	NEW HIASGOW - NCC 9618
BOLSEYL - NC 9646	NEW ALY - NC 9645
CALAJIA - NCC 9614	NOXARTIS - NC 9639
CH - NC 9601	OREAS - NCC 964
CH - NC 964	PARINOSA - NCC 9636
CHRISTOP - NC 9608	PARADISE - NCC 96 5
DALARIA - NC 9616	PI - NC 960
DEIA - NCC 9635	SANDAPAM - NC 9677
EL - NC 9632	SATHURA - NC 9600
ENKISS - NC 9603	SHANNIKAH - NC 9640
ERANAS - NCC 9636	SHIRATH - NC 96
TH - NC 9600	TARSHAN - NC 9619
IGUPTHE - NC 9644	TAVISTAR - NC 9634
ILUINETADY - NC 9606	IXIUS - NCC 96 3
IVESON - NC 9610	LURKANA - NC 9608
KH - NCC 9602	LY - NC 96 8
K'AN - NC 9620	UTOPIA PLANTIA - NCC 9637
NCHAMPAM - NCC 9629	VALHALLA - NCC 9600
RIHAI - NC 9625	VIA ANARECAH - NCC 9625
RIHIA - NC 96	
RI'AN - NC 9626	

'CLASS SHIP, 'LOST IN THE LINE OF DUTY, 'PROPOSED, ALL NAMES PREFIXED WITH 'J.B.E.'

## CRUISER

### Tractor Beam Specifications

Primary Tractor Beam Load Calculator



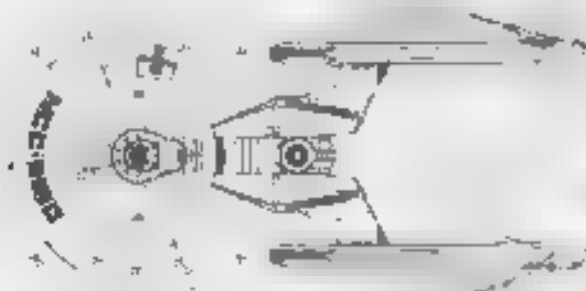
Beam Length 700.10m  
Beam Width 120.03m  
Beam Height 71.73m



Front Warp Field Profile  
Cross Section Area 10021.40 m<sup>2</sup>



Side Warp Field Profile  
Cross Section Area 23087.87 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 27008.48 m<sup>2</sup>

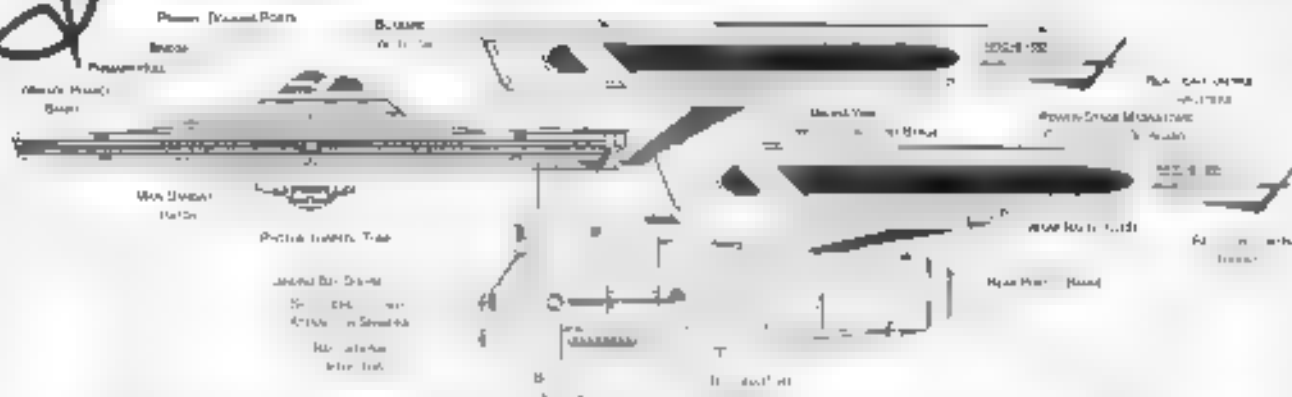




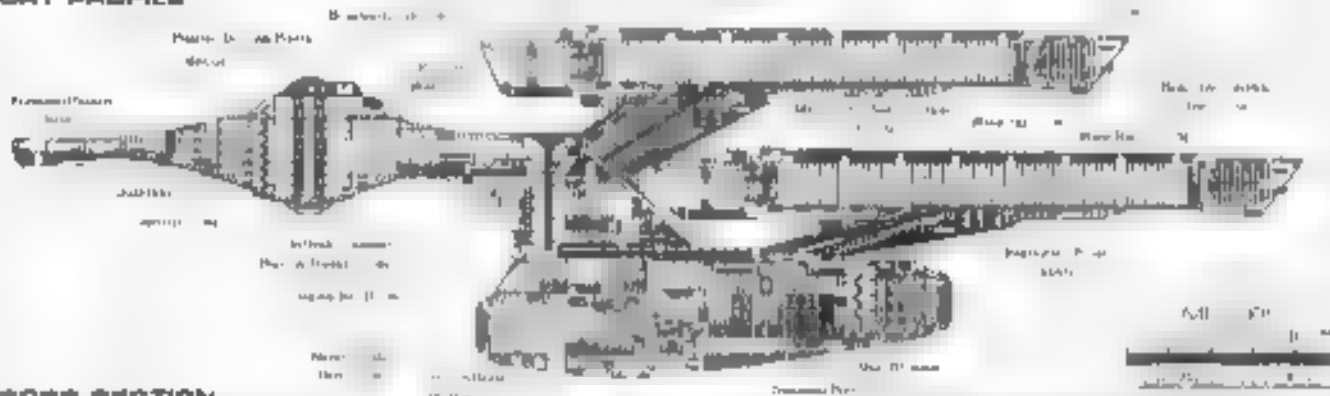


# DREADNOUGHT

STAR LEAGUE CLASS



## PORT PROFILE



## CROSS SECTION

# Statistics

Classification: Dreadnought

Category: Warship

Class: 'N' series

Type: Warship

Model: MK X-1

Naval: Starfleet Command 2100

Number Proposed: 10

Number Constructed: 20

Number in Service: 19

Number lost:

Disposals:

Overall Dimensions (Meters)

Length: 240 m

Width: 40 m

Height: 80 m

Primary Hull Dimensions (Meters)

Length: 240 m

Width: 40 m

Height: 80 m

Secondary Hull Dimensions (Meters)

Length: 120 m

Width: 20 m

Height: 40 m

Warp 'Nail' Dimensions (Meters)

Length: 150 m

Width: 30 m

Height: 60 m

Displacement (Metric Tons)

Light: 11,500 t

Standard: 22,100 t

Full Load: 48,800 t

Performance:

Impulse Units: 1000 (JRF36E5 JH)

Impulse Engine Output: 8410 W

Impulse Power Index: 0.80

Max Cruising: C

Acceleration Rate:

0.00-0.25 impulse: 0.025 sec

0.25-0.50 impulse: 0.038 sec

0.50-0.75 impulse: 0.050 sec

0.75 Full impulse: 0.063 sec

Warp Factor: 2.0 (JRF36E5 JH)

Warp Engine Output: 8410 W

Warp Power Index: 33

Optimum Speed: 5

Max Rate: 10000

Emergency Speed: 10

Max Speed: 10

Destroyer Speed: 10

Acceleration Power

Acceleration Time:

Warp 1: 10000

Warp 2: 10000

Warp 3: 10000

Warp 4: 10000

Warp 5: 10000

Warp 6: 10000

Warp 7: 10000

Warp 8: 10000

Warp 9: 10000

Warp 10: 10000

Warp 11: 10000

Warp 12: 10000

Warp 13: 10000

Warp 14: 10000

Warp 15: 10000

Warp 16: 10000

Warp 17: 10000

Warp 18: 10000

Warp 19: 10000

Warp 20: 10000

Warp 21: 10000

Warp 22: 10000

Warp 23: 10000

Warp 24: 10000

Warp 25: 10000

Warp 26: 10000

Warp 27: 10000

Warp 28: 10000

Warp 29: 10000

Warp 30: 10000

Warp 31: 10000

Warp 32: 10000

Warp 33: 10000

Warp 34: 10000

Warp 35: 10000

Warp 36: 10000

Warp 37: 10000

Warp 38: 10000

Warp 39: 10000

Warp 40: 10000

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Endurance: 10

Turn: 10

Low: 10

Max: 10

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## Ship Names

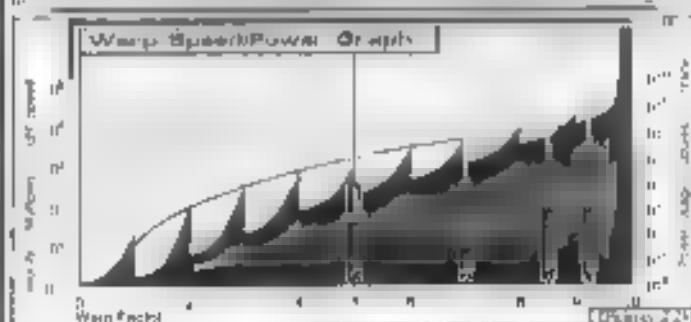
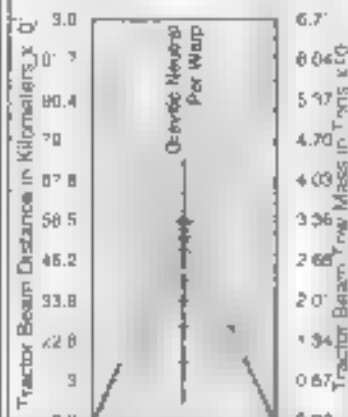
THE FOLLOWING SHIPS OF THE MM X<sub>2</sub> CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.11

[illegible][illegible]

CLASS SHE. 'LOST IN THE LINE OF D. Y. PROPOSED ALL NAMES STRICDED WITH 3.4.4.

## Tractor Beam Specifications

Primary Tractor Beam Load Calculation



Имя:	Иванов	Фамилия:	Иванов
Пол:	Мужской	Возраст:	35 лет
Адрес:	г. Москва, ул. Ленина, д. 10		



Front Warp Field Profile  
Cross Section Area 40000. 2 m<sup>2</sup>

Port Warp Field Profile  
Cross Section Area 48290.97 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 78586.30 m<sup>2</sup>

SAMA-1 05:03:04:04

## STARFLEET REFERENCE MANUAL

## STAR LEAGUE CLASS

**FEDERATION VESSEL**

## FAST CRUISER



## General Information

**Specific Role:** The Fast Cruiser is Starfleet's answer to the all purpose high-speed starship. The cruiser is able to maintain maximum warp speeds for long periods of time due to the use of four warp nacelles which phase-shift through mixed pairs to reduce the stress on any one engine. Acceleration is also greatly increased for short periods of time by using all four engines at once. This unique engine arrangement allows the Fast Cruiser to reach areas faster than most other vessels and provide rapid tactical perimeter defense.

**Physical Description:** The (PH147/C-P4) primary hull is equipped with additional hull reinforcements and a small hangar deck (located on the upper starboard side). The primary hull is equipped with the PS10-N1 bridge which incorporates the enhanced sensor range station. In the lower part of the primary hull is the (SM49-4D) main sensor array and (DN4-15Y) navigational dome. Located in the port starboard and bow of the primary hull (two) top and bottom are six (BP2-70-2) phaser banks positioned on the underside of the primary hull just in front of the main sensor array is the (PH2-25-OW) photon torpedo bay. To the rear of the primary hull are (TRF45E-5-R) dual impulse coils which are used for auxiliary power and sub-light propulsion. The vessel's warp fields are generated by four (SW52-1-SKT) warp nacelles at aches in pairs, rotated 90° mounted above and below the primary hull by (DJ-40-3UT) connecting corridors. The vessel is also equipped with additional inertial dampeners to compensate for its increased maneuvering and acceleration capabilities. Attached to each of the dorsal (L-1-DN2-S-2) navigational deflector of which are used in conjunction with the navigational shields to deflect objects out of the path of the ship. Inside the dorsals are two (M-B-12-2K) internal chambers with (AMH-58-7S) gas venting for storage tanks. The storage tanks are located at the rear part of the dorsals for emergency venting in the event of an emergency the primary hull can separate from either set of warp nacelles.

For additional detail refer to Datasheet MV-13

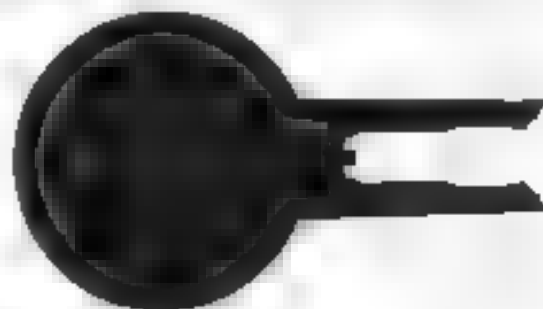
## Class Emblem



# Cheetah Class Fast Cruiser

## Ship Silhouettes

Total Target Area 28807.88 m<sup>2</sup>  
Average Target Area 9602.63 m<sup>2</sup>



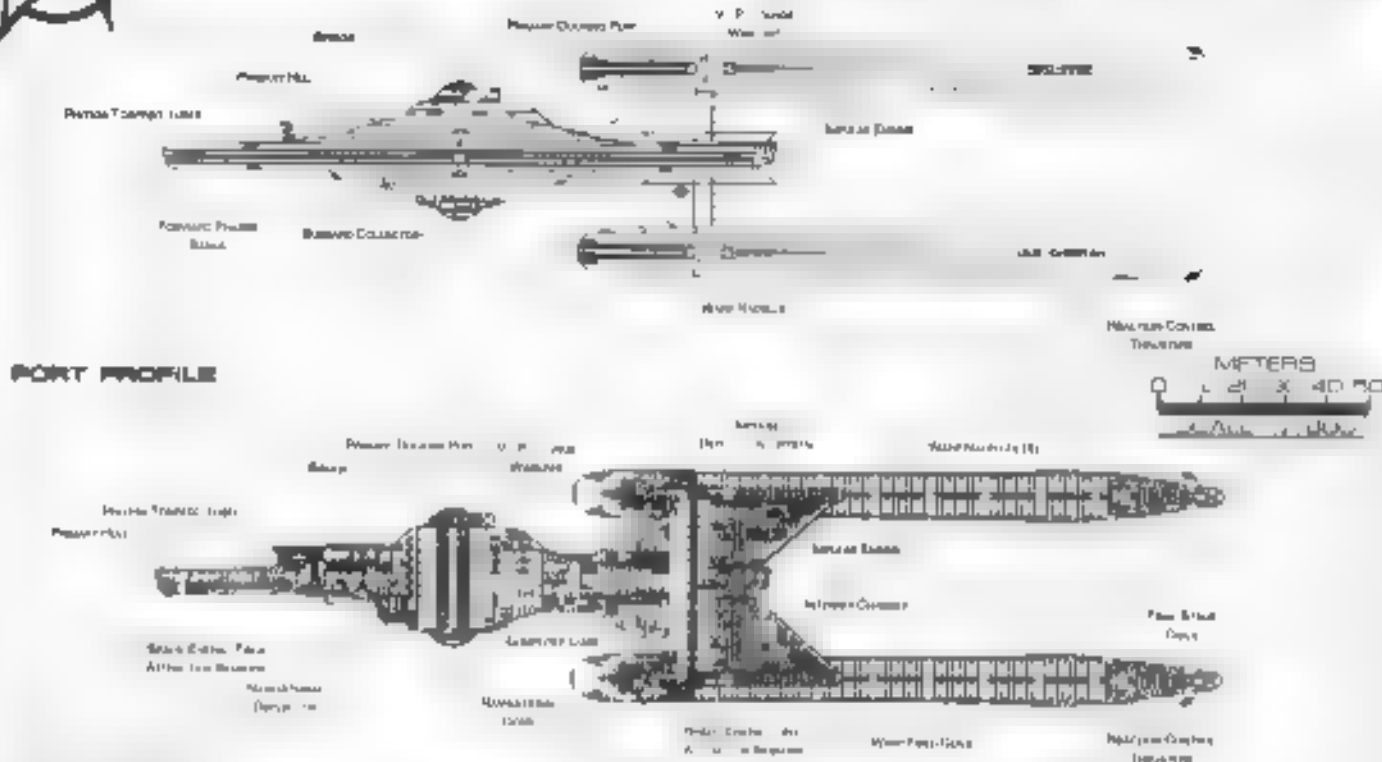
Top Silhouette  
Area 18471.81 m<sup>2</sup>



Port Silhouette  
Area 9602.63 m<sup>2</sup>



Front Silhouette  
Area 2880.78 m<sup>2</sup>



## Statistics

[illegible]

Overall Dimensions (Meters)  
Length: 247.00 m  
Width: 4.12 m  
Height: 56.40 m

Primary Hull Dimensions (Meters)

Length:	45	m
Breadth:	4	m
Height:	12.84	m

Secondary Shell Dimensions (Meters)  
Length: 104  
Width: 64  
Height: 104

**Wary, Undisturbed (Measure)**  
Length 154.8 cm  
Width 28.7  
Weight 18.12 m

Displacement: 1640 lb  
Light: 15500 mi  
Standard: 15812 mi  
Full Load: 16600 mi

Impulse Units: 1 Unit = 1 N (9.80665 N)  
 Impulse Engine Output:  $8 \times 10^{12}$  W  
 Impulse Power: Units: 10  
 Max Cruising: 1  
 Acceleration Rate:

```
Acceleration Units:
0.00-0.25 Impulses: 0.18 sec
0.25-0.50 Impulses: 0.27 sec
0.50-1.00 Impulses: 0.38 sec
1.00-1.75 Impulses: 0.45 sec
Warp Units: 2.54 millicoulombs (54.25 mA)
Warp Engine Output: 7.4x1015 W
Warp Point Index: 2.25
```

```
Optimum Speed: 7
Min Safe Crossing: 0.5
Emergency Speed: 0.5
Max Speed: 9
Destructive Speed: 0.01
Acceleration Power: 1
Acceleration Times:
  Warp 3 Warp 3: 0.091 sec
  Warp 3 Warp 3: 0.125 sec
  Warp 3 Warp 4: 0.145 sec
  Warp 4 Warp 4: 0.178 sec
  Warp 5 Warp 5: 0.245 sec
  Warp 6 Warp 7: 0.41 sec
  Warp 7 Warp 8: 1.08 sec
  Warp 8 Warp 8: 3.7 sec
  Warp 8 Warp 9: 7.5 sec
  Warp 9 Warp 9: 17.7 sec
  Warp 9 Warp 10: 39.8 sec
```

Division (Years)  
 Reopened 4 years  
 Maximum: 14 Years  
 Bld. Ship's Complement: 240  
 Officers: 67  
 Crew (Mainly Greek): 270  
 Troops: 16  
 Passengers: 30  
 Emergency condition: + 200

Medical Facilities:  
Excluded  
Medical Staff:  
Operating Room:  
Room 10

Laboratories: 5  
 Transports: Total: 6  
 1 Person: 0  
 2 Person: 0  
 3 Person: 3  
 12 Person: 0  
 24 Person: 3  
 Small Cargo:  
 Medium Cargo:  
 Large Cargo: 0  
 Small Cargo: 0

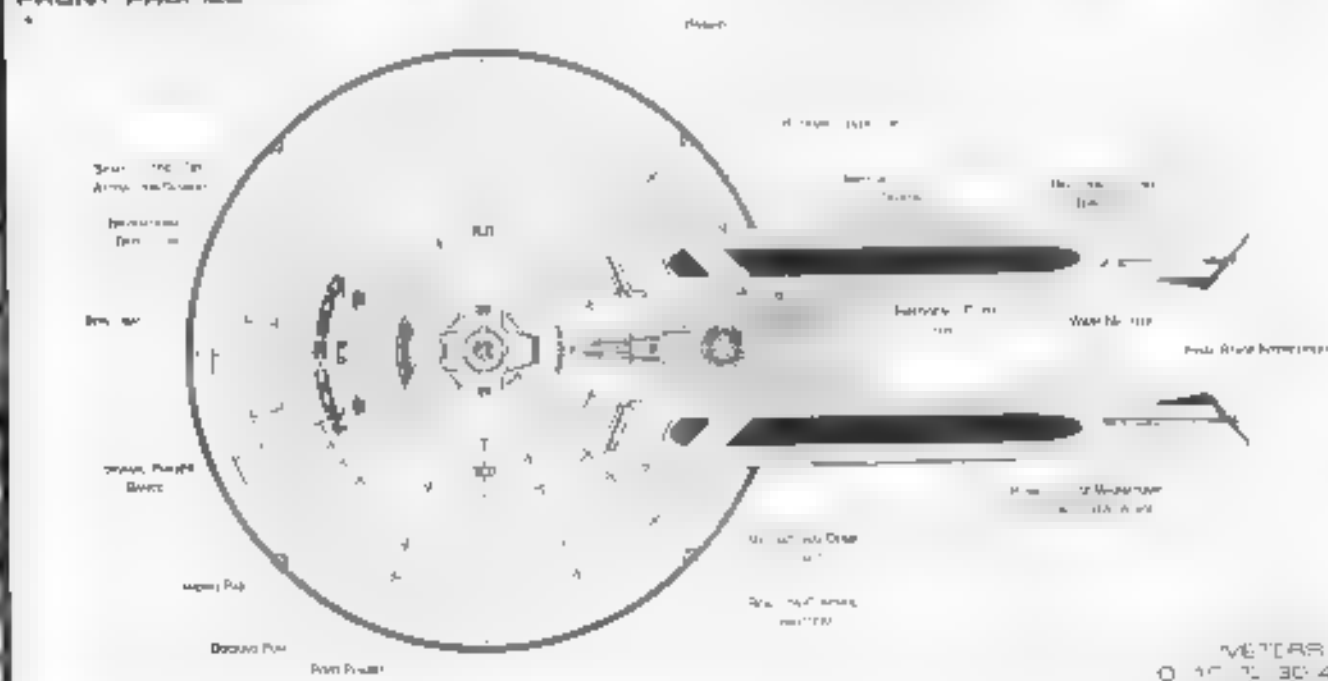
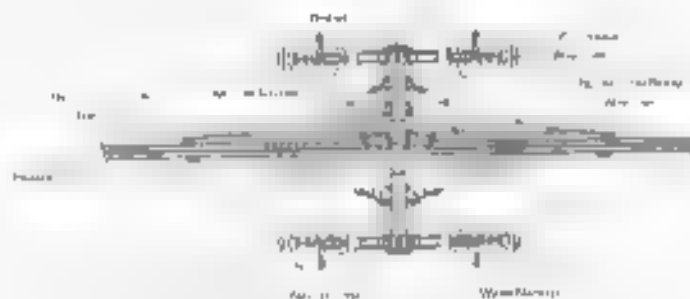
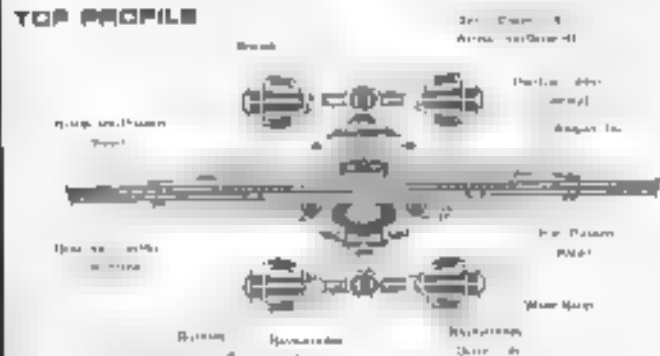
Wings  
 Reproduction 4  
 Fertilization Ovaries  
 Two species of *Phylloscopus*  
 Mass Range 10-15 km  
 Large Speciation  
 Standard range 100-150  
 range capacity 24-30  
 Distribution Speciation  
 Dorsal Part  
 Standard range 100-150  
 Small Bay 1  
 Medium Bay 1  
 Large Bay 1  
 River Bay 1

[illegible]

Climbing Service: 0  
 Steamer Index Value:  
 Plantary Survey: 0.78  
 Steady Survey: 0.76  
 Short Range: 0.96  
 Long Range: 0.97  
 Navigation: 16  
 Special: 0.96  
 Computers  
 Type: Capetown Electronic Ally  
 Type: Daresbury Deuteronic Ally

EOC Index: DDP  
 Shield Rating:  
 Shield Index: 0-30  
 Roadway Factor: 0-30 D: W  
 Roadway Rate: 0-30 W  
 Roadway Rate: 0-30 W  
 Shield (Horsepower) (Horsepower)  
 Length: W: 0-30  
 Width: 0-30 W  
 Weight: 0-30 W

Weapons:  
 Phaser Power Index: 0.4  
 Photon Power Index: 10  
 Vaulon Power Index: 0.02  
 Weapon Placement:  
 Beam (Photon) Total: 4 having 2 spares  
 Output: 50 0' W 25x10 W  
 Range: 50x10 km  
 Rate of Fire: 30 rpm/Com  
 Forward Bay: 2  
 Rear Bay: 0  
 Port Bay: 2  
 Starboard Bay: 1  
 Upper Bay: 0  
 Lower Bay: 0  
 Beam (Hyperspace) Total: 0  
 Output: N/A  
 Range: N/A  
 Rate of Fire: N/A  
 Forward/Rear Bay: 0  
 Port/Starboard Bay: 0  
 Upper/Lower Bay: 0  
 Turbopods (Photon) Total: 2 Bay  
 Stock: 25  
 Range: 2x10<sup>10</sup> km  
 Output: 10-50 MT  
 Rate of Fire: 10 rpm  
 Forward Bay:  
 Rear Bay: 0  
 Port Bay: 0  
 Starboard Bay: 0  
 Upper Bay: 0  
 Lower Bay: 0





# FAST CRUISER

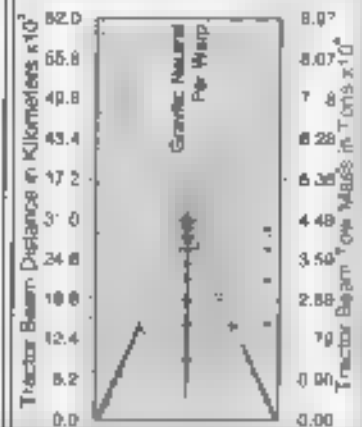
## Ship Names

THE FOLLOWING SHIPS OF THE MK XVII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STANDARDS 0278.10

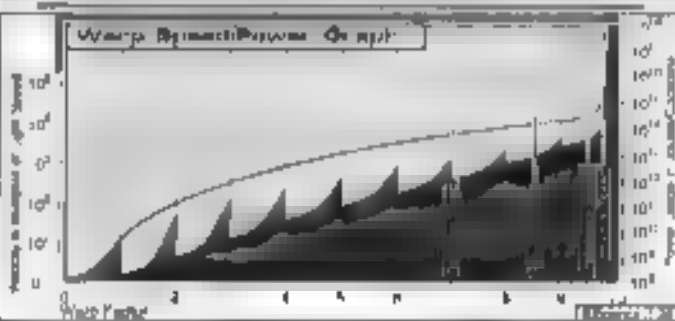
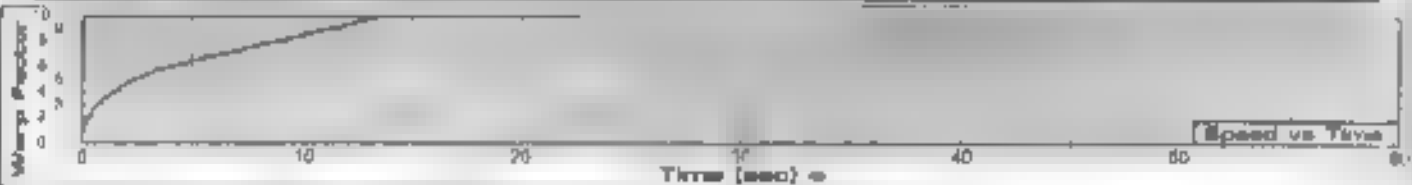
ALFRED - NCC 3426	MONTGOMERY - NCC 3433
ALLRED - NCC 3428	NEPHEW - NCC 3435
BAHNER - NCC 3430	NEWMAN - NCC 3437
BERY - NCC 3432	ODIN - NCC 3439
BOLEY - NCC 3434	PARNE - NCC 3441
CANNON - NCC 3436	PEPPER - NCC 3443
CLINTON - NCC 3438	SHI - NCC 3445
COBBINS - NCC 3440	SILVER - NCC 3447
CYBER - NCC 3442	STEELE - NCC 3449
D. HENRI - NCC 3450	TAMM - NCC 3451
ELI - NCC 3452	WALKER - NCC 3453
FERRO - NCC 3454	WATSON - NCC 3455
GRAYSON - NCC 3456	WHEAT - NCC 3457
HAYASHI - NCC 3458	WILSON - NCC 3459
HUBBARD - NCC 3460	YOUNG - NCC 3461
JAMES - NCC 3462	ZURICH - NCC 3463
KAMM - NCC 3464	
KENNEDY - NCC 3466	
KIRBY - NCC 3468	
KIRBY - NCC 3470	
KIRBY - NCC 3472	
KIRBY - NCC 3474	
KIRBY - NCC 3476	
KIRBY - NCC 3478	
KIRBY - NCC 3480	
KIRBY - NCC 3482	
KIRBY - NCC 3484	
KIRBY - NCC 3486	
KIRBY - NCC 3488	
KIRBY - NCC 3490	
KIRBY - NCC 3492	
KIRBY - NCC 3494	
KIRBY - NCC 3496	
KIRBY - NCC 3498	
KIRBY - NCC 3500	
KIRBY - NCC 3502	
KIRBY - NCC 3504	
KIRBY - NCC 3506	
KIRBY - NCC 3508	
KIRBY - NCC 3510	
KIRBY - NCC 3512	
KIRBY - NCC 3514	
KIRBY - NCC 3516	
KIRBY - NCC 3518	
KIRBY - NCC 3520	
KIRBY - NCC 3522	
KIRBY - NCC 3524	
KIRBY - NCC 3526	
KIRBY - NCC 3528	
KIRBY - NCC 3530	
KIRBY - NCC 3532	
KIRBY - NCC 3534	
KIRBY - NCC 3536	
KIRBY - NCC 3538	
KIRBY - NCC 3540	
KIRBY - NCC 3542	
KIRBY - NCC 3544	
KIRBY - NCC 3546	
KIRBY - NCC 3548	
KIRBY - NCC 3550	
KIRBY - NCC 3552	
KIRBY - NCC 3554	
KIRBY - NCC 3556	
KIRBY - NCC 3558	
KIRBY - NCC 3560	
KIRBY - NCC 3562	
KIRBY - NCC 3564	
KIRBY - NCC 3566	
KIRBY - NCC 3568	
KIRBY - NCC 3570	
KIRBY - NCC 3572	
KIRBY - NCC 3574	
KIRBY - NCC 3576	
KIRBY - NCC 3578	
KIRBY - NCC 3580	
KIRBY - NCC 3582	
KIRBY - NCC 3584	
KIRBY - NCC 3586	
KIRBY - NCC 3588	
KIRBY - NCC 3590	
KIRBY - NCC 3592	
KIRBY - NCC 3594	
KIRBY - NCC 3596	
KIRBY - NCC 3598	
KIRBY - NCC 3600	

## Tractor Beam Specifications

Primary Tractor Beam Load Factor



CLASS SHIP. LISTED IN THE LINE OF ONLY. PROPOSED ALL NAMES FORWARDED WITH S.A.S.



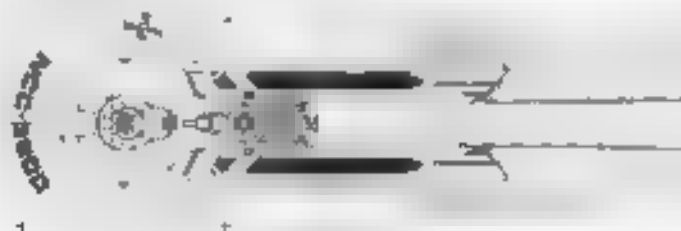
Plane Length: 240.0m  
Plane Width: 121.0m  
Plane Height: 25.0m



Front Warp Field Profile  
Cross Section Area: 12347.56 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area: 43208.81 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area: 77888.83 m<sup>2</sup>



# HEAVY CRUISER



## General Information

**Specific Role:** The Heavy Cruiser is the most versatile and widely recognized starship in the Federation. Equipped with both extensive laboratories and weapon systems, the vessel can easily conduct both research and military operations. The Cruiser is often used as a research platform in areas that are too dangerous for dedicated research vessels. The Heavy Cruiser has proven to be the most successful starship design in Starfleet's inventory, exhibiting an ideal blend of speed, power and performance. Very often, due to the versatility of the vessel, it is called upon for diplomatic duties.

**Physical Description:** The PB-47/C-30 primary hull is equipped with the (BS-0/C-H2) bridge. On the lower part of the primary hull is the (SM-19-24) main sensor array and (DN-4/10H) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (H-2-10-20) phaser banks. Forward, the rear of the secondary hull (above the hangar deck) are two (H-2-10-20) phaser banks. On the ventral side of the secondary hull are four additional (H-2-10-20) phaser banks. The rear of the primary hull are (H-35E-41-0) dual impulse units which are used for auxiliary power as well as propulsion. The vessel's warp fields are generated by two (SW-52-5K17) warp cores which are fed by (H-31-70-2) secondary fuel by (H-15-4H) support pylons. The primary and secondary hulls are joined by the (H-10-48-1) connecting dorsal. Located on the front of the secondary hull is the (H-2-10-40) navigational tractor used to assist in ship-to-ship docking and landing procedures. To the rear of the secondary hull is the (H-10-48-1) hangar deck. To hang through the bottom is the (M-25-14-26) intermix chamber. The (AM-15-4H) nuclear and fusion storage tanks are located in the forward lower secondary hull. The (H-10-48-1) dorsal spine for emergency egressing. Besides between the dorsal and the secondary hull is a forward wing (H-2-25-10) photonic torpedo bay. In the event of an emergency, the primary and secondary hulls can separate, each being able to carry its own complement. Once re-separated, the primary hull can maneuver on its own power for extended periods of time.

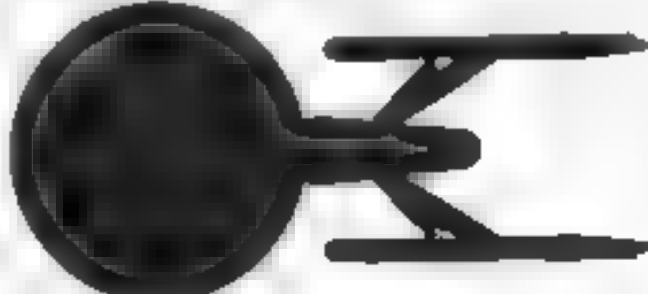
For additional details refer to Dispatcher, MV-2.

### Class Emblem



### Ship Silhouettes

Total Target Area: 2483.13 m<sup>2</sup>  
Average Target Area: 11642.71 m<sup>2</sup>



Top Silhouette  
Area: 82711.42 m<sup>2</sup>



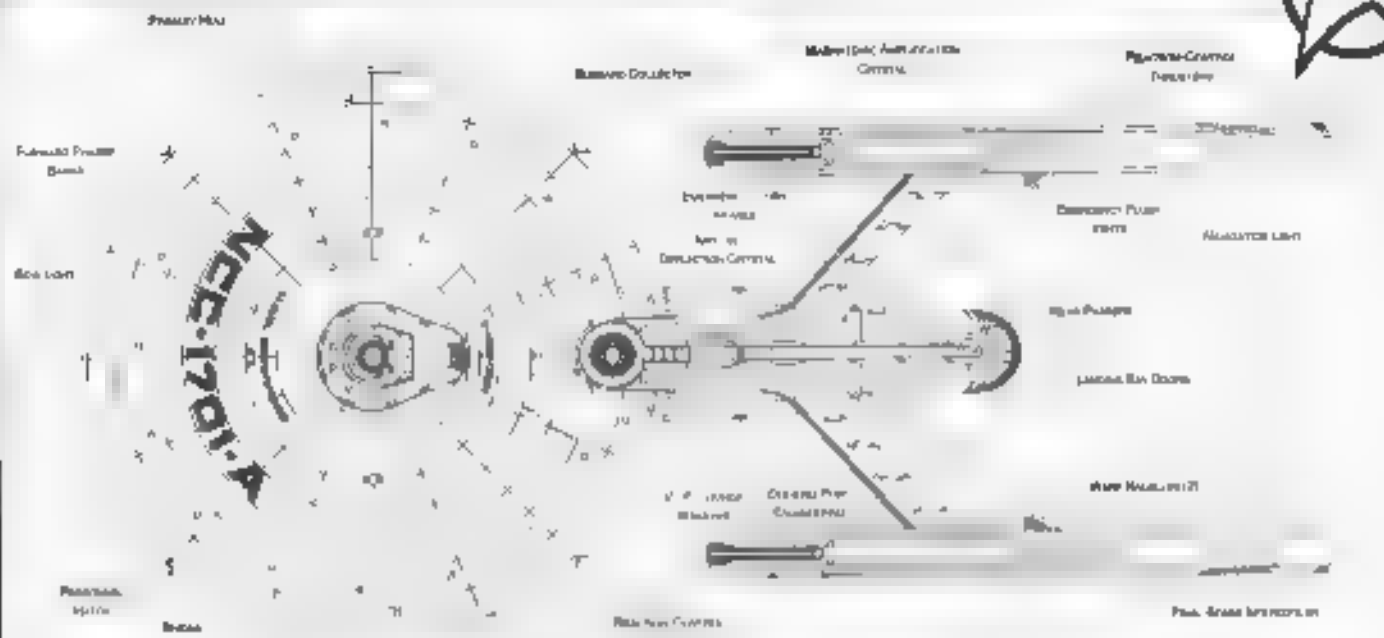
Port Silhouette  
Area: 8917.88 m<sup>2</sup>



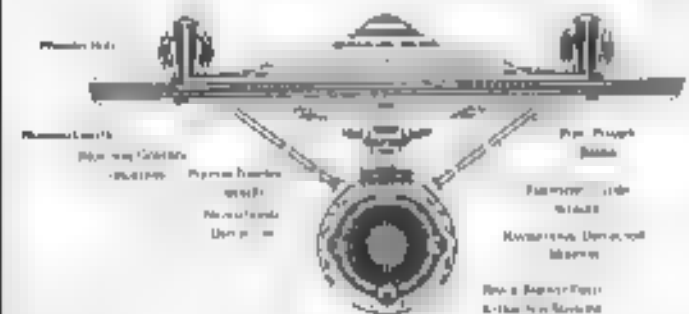
Front Silhouette  
Area: 4008.6 m<sup>2</sup>



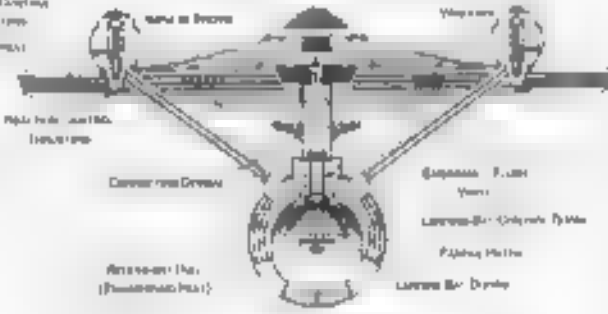
# HEAVY CRUISER



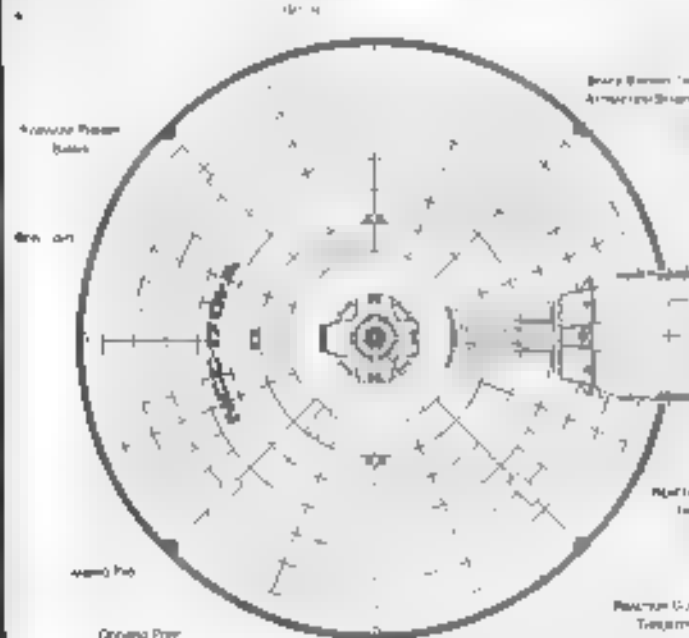
TOP PROFILE



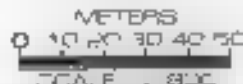
REAR PROFILE



FRONT PROFILE



BOTTOM PROFILE



FEDERATION VESSE



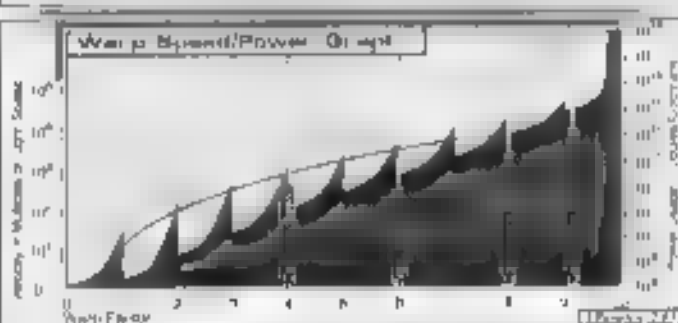
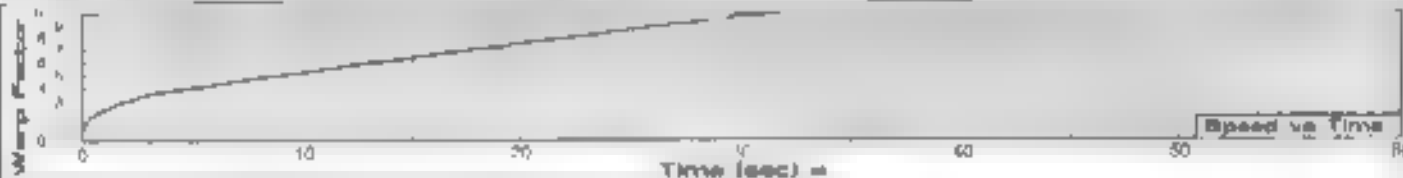
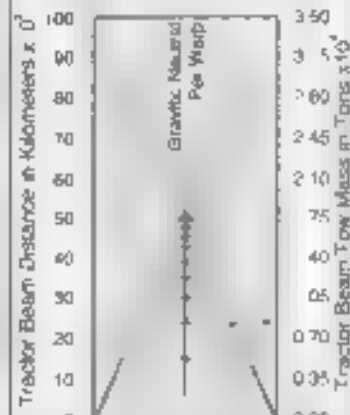
## Ship Names

## Tractor Beam Specifications

Primary Tumor Site and Causality

4	HERNAN	N	739	ALINA	N	184	MUNOZ	N	9	TAJAHU	N	783
5	FERRAZ	N	78	CHAI	N	188	NDELE	N	54	TA	N	79
6	FF	N	74	CHAND	N	48	ONIN	N	2	TEAR	N	789
7	ALHIL	N	58	HAU	N	187	ZHARU	N	181	HE	N	742
8	ANNKRY	N	52	MOO	N	1	PAL	N	75	KE	N	74
9	ARI	N	70	KHINE	N	4	PAR	N	75	TOH	N	75
10	AS	N	750	HSH	N	48	PH	N	50	TUAN	N	77
11	ACHAKWAM	N	7	HYRE	N	108	PHAY	N	16	VALAN	N	108
12	ASPA	N	0	AL	N	54	PL	N	85	VA	N	30
13	ON	N	728	JUP	N	74	MO	N	1	WASP	N	72
14	ND	N	100	KAI	N	78	PHU	N	50	XAY	N	743
15	DEAN	N	4	KALIS	N	92	PRO	N	3	XAY	N	757
16				KAS	N	84	GUAI	N	18	YRKT	N	704
17				KI	N	188	IL	N	50	ZAHN	N	18
18				KI	N	784	IL	N	4	ZAHN	N	780
19				KON	N	4	IL	N	49	ZHUAN	N	158
20				NI	N	56	IL	N	16			
21				LA	N	20	SA	N	74			
22				LA	N	10	SAM	N	14			
23				MA	N	11	SA	N	14			
24				ME	N	1	SH	N	745			
25				MI	N	15	SH	N	70			
26				MI	N	60	SH	N	44			
27				MI	N	40	SH	N	1			
28				MI	N	185	SH	N	1			

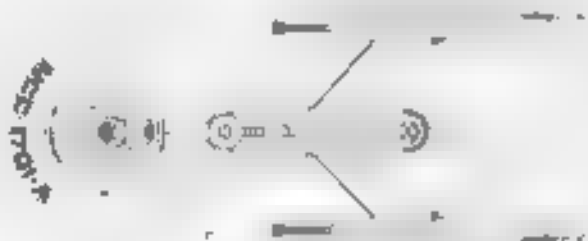
CLASSIFIED IN THE LINE OF DUTY. "TERMINED, ALL NAMES PRECEDED WITH U.S.S."

[illegible]

Front Warp Field Profile  
Cross Section Area 14030.46 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 36200.00 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area = 1032.74 m<sup>2</sup>

## WARP FIELDS

SRMA-1 05:03:06:04

STARFLEET REFERENCE MANUAL

## ENTREPREPRISE CLASS

**FEDERATION VESSEL**

## LIGHT CRUISER



## General Information

**Specific Role:** By using modular components and cost effective assembly techniques Starfleet was able to add a Light Cruiser to its comprehensive inventory. Equipped with moderate sensors, weapons and weapons systems, the vessel conducts both research and military operations as an economical asset. The cruiser is often used as a light research platform in areas where a dedicated research vessel may not be able to defend itself.

**Physical Description:** The (P11147/C-14) primary hull module is reinforced to compensate for the stress created by attachment of warp nacelles directly to the hull. A small hangar deck is located on the upper starboard side. The vessel is equipped with the (DS10/C-23) bridge. On the lower part of the primary hull is the (SM49/2W) main sensor array, (DN4/5H) navigational dome located on the top of the primary hull is the forward facing and (PM2/25/0W) torpedo bay. Located on the port starboard and bow of the primary hull (both top and bottom) are six (10/2/30/2) phaser banks. Toward rear of the primary hull are (CR35E/5-AF) dual impulse units which are used for auxiliary power and sublight propulsion. The vessel's warp fields are generated by two (SW52/1/5DB) warp nacelles attached to both sides of the primary hull (01/20/0S) counter ring domes. Located horizontally across the rear of the primary hull just inside each pylon is the (M3/12E) intermix chamber. The (AMK/4/4T) nuclear antimatter storage tanks are located on the rear part of the hull along the outer edge for emergency propulsion. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MV 10

## Class Emblem



## Ship Silhouettes

Total Target Area 88188.33 m<sup>2</sup>  
Average Target Area 8718.83 m<sup>2</sup>



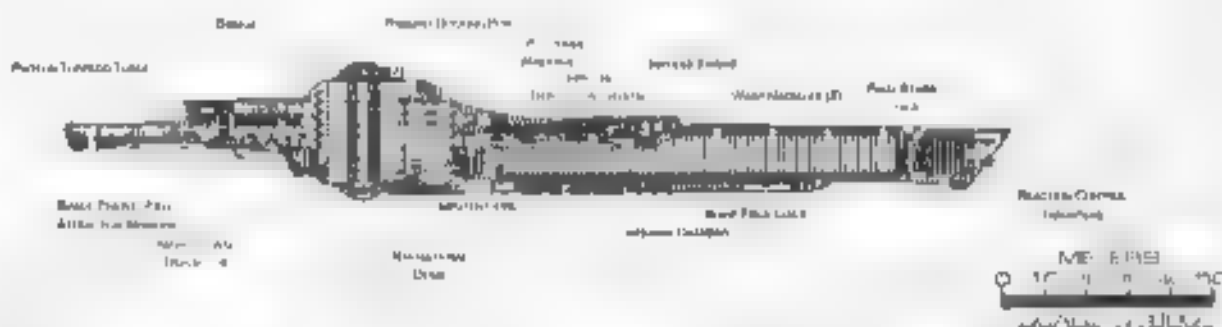
Top Silhouette  
Area 80843.92 m<sup>2</sup>



Port Silhouette  
Area 2688.29 m<sup>2</sup>



Front Silhouette  
Area 2085.11 m<sup>2</sup>



### CROSS SECTION

## Statistics

Classification: APM C-1000  
 Weight: 4,400  
 Class: 'Hovers  
 type: 'amb'  
 Model: A1A X111A  
 Naval Installation: Corpus: 600  
 Number Proposed: 10  
 Number Constructed: 42  
 Number In Service: 42  
 Number Lost: 0  
 Dimensions:  
 Overall Dimensions (feet/inches)  
 Length: 72.4' 0"  
 Width: 30' 0"  
 Height: 11' 9.4"  
 Primary Hull Dimensions (feet/inches)  
 Length: 48' 0"  
 Width: 16' 12"  
 Height: 31.84"  
 Secondary Hull Dimensions (feet/inches)  
 Length: N/A  
 Width: N/A  
 Height: N/A  
 Wavy Unit Dimensions (feet/inches)  
 Length: 16' 8"  
 Width: 2' 8"  
 Height: 52"  
 Displacement: (Metric Tons)  
 Light: 2078' 11  
 Standard: 12940.4 mt  
 Full Load: 44456 mt

Performance:  
 Maximal Cruise: 'Naval Unit' 117F35E3 981  
 Maximal Engine Output: 8x 6' 1" W  
 Maximal Power Input: 52  
 Max Cruising:  
 Acceleration Rate:  
 0.00-0.25 impulses: 0' 11" sec  
 0.25-0.50 impulses: 0' 10" sec  
 0.50-0.75 impulses: 0' 30.2" sec  
 0.75-1.0 impulses: 0' 32.5" sec  
 Wavy Units: 'Naval Unit' 117F35E3 981  
 Wavy Engine Output: 2x10' 11" W  
 Wavy Power Input: 52

Optimum Speed: 4  
Max. Safe Counting: 8  
Emergency Speed: 8  
Max. Speed: 11  
Destructive Speed: 478  
Acceleration Force: 3  
Acceleration Times:  
Warp 1 Warp 2: 0 sec.  
Warp 2 Warp 3: 0 sec.  
Warp 3 Warp 4: 11.70 sec.  
Warp 4 Warp 5: 4 sec.  
Warp 5 Warp 6: 218 sec.  
Warp 6 Warp 7: 31 sec.  
Warp 7 Warp 8: 79 sec.  
Warp 8 Warp 9: 241 sec.  
Warp 9 Warp 10: 677 sec.  
Warp 10 Warp 11: 677 sec.  
Warp 11 Warp 12: 2026 sec.  
Duration (Years):  
Standard: 4 Year-1  
Maximum: 16 Year-1  
Red Ship Complement: 347  
Crew: 5  
Crew (Emergency Speed): 780  
Troops: 11  
Passengers: 30  
Emergency condition: + 486  
Medical Facilities:  
Doctors: 3  
Medical Staff: 7  
Operating Rooms: 2  
Beds: 8  
Laboratories: 4  
Synapspectrum Total: 8  
1 Person: 0  
2 Person: 0  
3 Person: 3  
4 Person: 0  
25 Person: 3  
Small Cargo  
Medium Cargo:  
Large Cargo: 0  
Robot Cargo: 0

Cargo: 4  
 Respirators: 10  
 Toxic Gas Detector  
 Toxic Capacity: 1 (detected)  
 Max Range: 20000  
 Cargo Specialization:  
 Maximum Cargo Units: 100  
 Cargo Capacity: 21000  
 Unit's Special Abilities:  
 Docking Ports:  
 Shuttlecraft Bay Team:  
 Shuttle Bay  
 Medium Bay 0  
 Large Bay 0  
 Small Bay 0  
 Shuttlecraft Docked: 5  
 Work Bots:  
 Turret Pods:  
 Aquatic Shuttle: 4  
 Light Shuttle: 4  
 Standard Shuttle:  
 Heavy Shuttle: 4  
 Cargo Shuttle:  
 Assault Shuttle: 3  
 Killers: 0  
 Light Fighter: 2  
 Fighter: 4  
 Heavy Fighter: 2  
 Lifeships: 3  
 Total: 18 persons: 16  
 Lifeship (10 persons): 2  
 Lifeship (30 persons): 0  
 Lifeship (30 persons): 0  
 Cloaking Devices: 0  
 Sensor Index Values:  
 Planetary Density: 0.95  
 Stellar Density: 0.98  
 Short Range: 0.95  
 Long Range: 0.97  
 Navigation: 0.90  
 Special: 0.94  
 Computers: 2  
 Type: Daystrom Shuttlecraft  
 Name: Daystrom Shuttlecraft

ECM Index: 0.00  
Shield Rating:  
Shield Index: 10  
Headset Power: 2.44 512 W  
Ratdown Rate: 4.01 11 W  
Breakdown Rate: 2.01 10 W  
Shield Dimensions (Meters)  
Length: 131.4 m  
Width: 73.9 m  
Height: 49.4 m  
Weapon:  
Phase Power Index: 11  
Phase Power Index: 33  
Weapon Power Index: 77  
Weapon Placement:  
Beam (Phase) Total: 4 Banks 2 each  
Output: 1x10<sup>4</sup> W Phase W  
Range: 2x10<sup>4</sup> km  
Rate of Fire: 10 pps/Con  
Forward Banks: 2  
Star Banks: 0  
Port Banks: 2  
Starboard Banks: 2  
Upper Banks: 1  
Lower Banks: 0  
Beam MegaPhase Total: 0  
Output: N/A  
Range: N/A  
Rate of Fire: N/A  
Forward/Star Banks: 0  
Port/Starboard Banks: 0  
Upper/Lower Banks: 0  
Torpedos (Phase) Total: 2 Bays  
Block: 0  
Range: 2x10<sup>4</sup> km  
Output: 0-50 MT  
Rate of Fire: 10 pps  
Forward Bay:  
Star Bay: 0  
Port Bay: 0  
Starboard Bay: 0  
Upper Bay: 0  
Lower Bay: 0





## THANKS CLASS

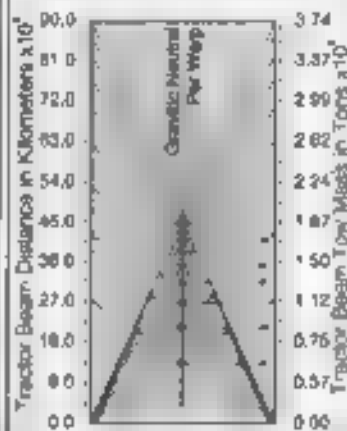
AALBURG NCC 1986  
A TANNAN NCC 475  
AMUD F.E.L.M.B.H.E NCC 7400  
ANDRIENHUIS NCC 4881  
451 NCC 8871  
AVENS NCC 4761  
BA XANEIN NI 4811  
BAY NCC 47  
BASOEDON HCL 407  
BE III JIJINA NCC 470  
BRIGGS NCC 1451  
BUCK EY NCC 196  
BYNNE NCC 748  
AHMAN NCC 4851  
AIU GTM NCC 607  
ARFEN NY 470  
ARVTH NCC 475  
ATHATHI NCC 418  
DUNNE NCC 472  
JIL HFC NCC 4851  
WAC A NCC 1451  
W LALI AI 47  
WOLLEY HI 870  
ZC AJR NCC 438  
ZC KAT NCC 1982

DBLE: HCU 480"  
 DY: 19M NCC 480  
 E: 19M NCC 1475  
 FMSI 41L NCL 483"  
 FE: 19M NCC 1420  
 FSLUAR NCC 1420  
 F: 19M NCC 1475  
 FBI: NCL 480"  
 GUNDSSTAFF NCC 142:  
 HUI H: NCC 484  
 GIMMES NCC 480"  
 GUSSEFFE NCC 148  
 GUSSEFFES NCC 1480  
 HUSIKI NCL 425  
 HAF: NCC 4 3  
 HUI H: NCL 480"  
 HUI H: NCC 480"  
 HUI ER NCC 4 0  
 HUI H: NCC 425  
 JONH: NCC 480"  
 JONH: NCC 480  
 KATHIRU NCC 480"  
 KATH: NCC 480  
 KATH: NCC 480

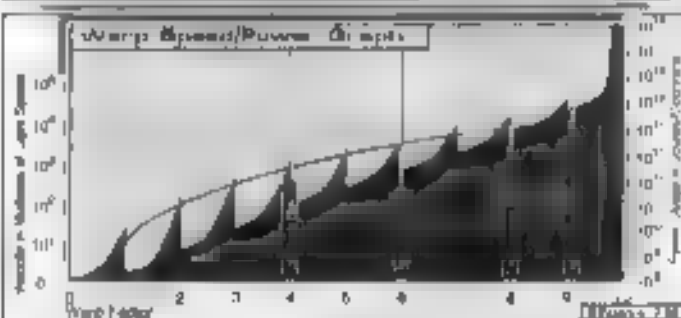
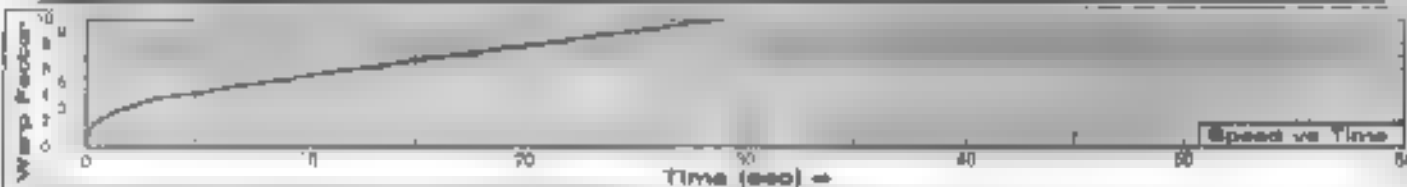
[illegible][illegible]

## Tractor Beam Specifications

### Primary Tractor Beam Load Calculator



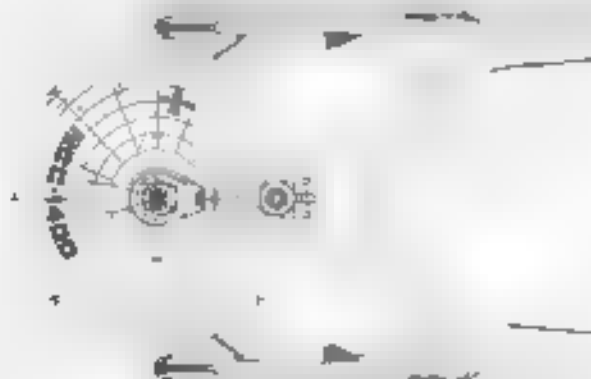
'CLASS NAME, 'LOST IN THE LINE OF DUTY.' RECORDED. ALL NAMES ENDED WITH "L.O.D."



Field Length 600000000  
Field Width 100000000  
Field Height 100000000



Front Warp Field Profile  
Cross Section Area 8883.78 m<sup>2</sup>

Port Warp Field Profile  
Cross Section Area 14416.88 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 88433.01 m<sup>2</sup>

**FEDERATION VESSEL**



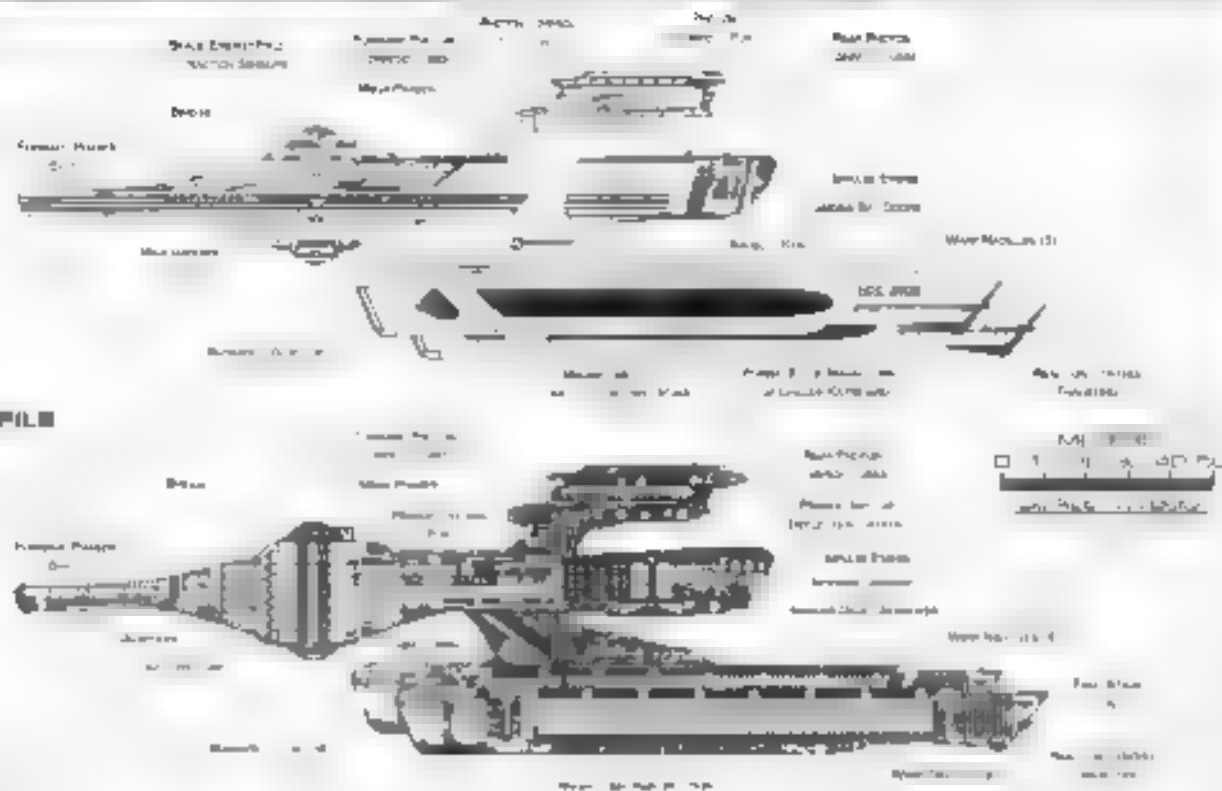




# ASSAULT FRIGATE

COMANCHE CLASS

## PORT PROFILE



## CROSS SECTION

# Statistics

Classification: Assault Frigate

Registry: 001

Class: Comanche

Type: ICB

Model: NCC-1701

Naval Architecture Control: NCC

Number: 001

Number in Service: 24

Number: 001

Displacement

Overall Dimensions (Meters)

Length: 110

Width: 40

Height: 15

Primary Hull Dimensions (Meters)

Length: 110

Width: 40

Height: 15

Secondary Hull Dimensions (Meters)

Length: 110

Width: 40

Height: 15

Warp Core Dimensions (Meters)

Length: 50

Width: 5

Height: 10

Displacement (Metric Tons)

Light: 100,000

Standard: 250,000

Full Load: 400,000

Performance:

Impulse Engine: 100,000 HP

Impulse Engine Output: 100,000 W

Impulse Power Factor: 100

Max Cruising:

Acceleration Rate:

0.00-0.15 Impulse: 0.250 sec

0.25-0.50 Impulse: 0.432 sec

0.50-0.75 Impulse: 0.75 sec

0.75 Full Impulse: 0.75 sec

Warp Drive: 100,000 max SWSE/ SAC

Warp Engine Output: 100,000 W

Warp Power Index: 100

Optimal Speed:

Max Safe Cruising:

Sublight Speed: 100

Max Speed:

Max Cruising Speed: 100

Acceleration Power:

Acceleration Time:

Warp 1: 100 sec

Warp 2: 100 sec

Warp 3: 100 sec

Warp 4: 100 sec

Warp 5: 100 sec

Warp 6: 100 sec

Warp 7: 100 sec

Warp 8: 100 sec

Warp 9: 100 sec

Warp 10: 100 sec

Warp 11: 100 sec

Warp 12: 100 sec

Warp 13: 100 sec

Warp 14: 100 sec

Warp 15: 100 sec

Warp 16: 100 sec

Warp 17: 100 sec

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Warp 19: 100 sec

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ST 10 Index

Shield Index: 100

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Shield Index: 100

Shield Index: 100

REF ID: A111111





## Ship Names

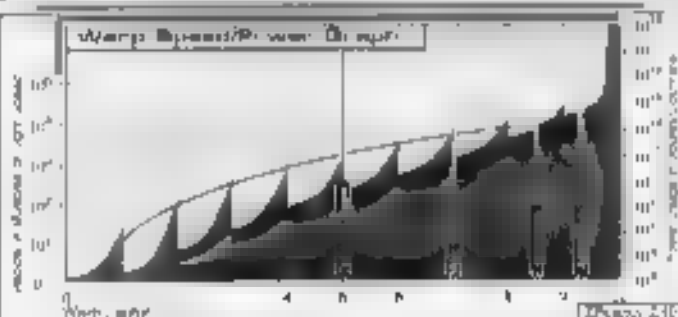
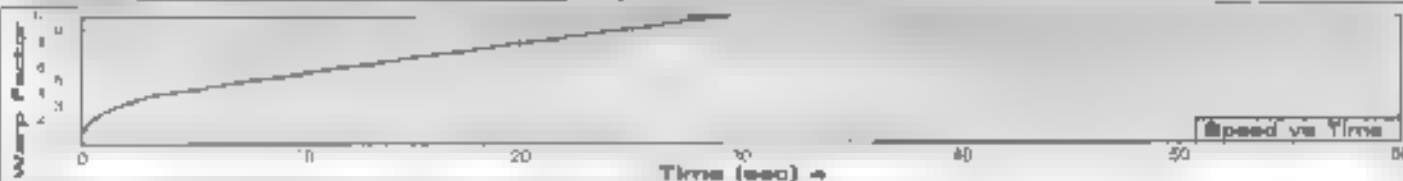
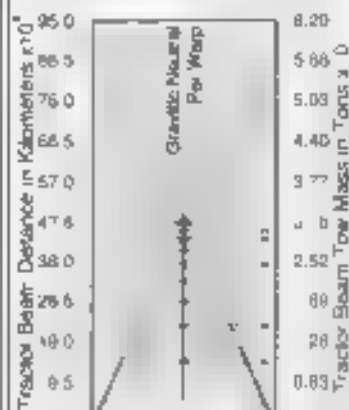
THE FOLLOWING SHIPS OF THE MK XVI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 8870.8

411486	NO	3600	411487	N.L.	3610	411488	N.L.	3620
411489	NO	3630	411490	N.L.	3640	411491	N.L.	3650
411492	NO	3660	411493	N.L.	3670	411494	N.L.	3680
411495	NO	3690	411496	N.L.	3700	411497	N.L.	3710
411498	NO	3720	411499	N.L.	3730	411500	N.L.	3740
411501	NO	3750	411502	N.L.	3760	411503	N.L.	3770
411504	NO	3780	411505	N.L.	3790	411506	N.L.	3800
411507	NO	3810	411508	N.L.	3820	411509	N.L.	3830
411510	NO	3840	411511	N.L.	3850	411512	N.L.	3860
411513	NO	3870	411514	N.L.	3880	411515	N.L.	3890
411516	NO	3900	411517	N.L.	3910	411518	N.L.	3920
411519	NO	3930	411520	N.L.	3940	411521	N.L.	3950
411522	NO	3960	411523	N.L.	3970	411524	N.L.	3980
411525	NO	3990	411526	N.L.	4000	411527	N.L.	4010
411528	NO	4020	411529	N.L.	4030	411530	N.L.	4040
411531	NO	4050	411532	N.L.	4060	411533	N.L.	4070
411534	NO	4080	411535	N.L.	4090	411536	N.L.	4100
411537	NO	4110	411538	N.L.	4120	411539	N.L.	4130
411540	NO	4140	411541	N.L.	4150	411542	N.L.	4160
411543	NO	4170	411544	N.L.	4180	411545	N.L.	4190
411546	NO	4200	411547	N.L.	4210	411548	N.L.	4220
411549	NO	4230	411550	N.L.	4240	411551	N.L.	4250
411552	NO	4260	411553	N.L.	4270	411554	N.L.	4280
411555	NO	4290	411556	N.L.	4300	411557	N.L.	4310
411558	NO	4320	411559	N.L.	4330	411560	N.L.	4340
411561	NO	4350	411562	N.L.	4360	411563	N.L.	4370
411564	NO	4380	411565	N.L.	4390	411566	N.L.	4400
411567	NO	4410	411568	N.L.	4420	411569	N.L.	4430
411570	NO	4440	411571	N.L.	4450	411572	N.L.	4460
411573	NO	4470	411574	N.L.	4480	411575	N.L.	4490
411576	NO	4500	411577	N.L.	4510	411578	N.L.	4520
411579	NO	4530	411580	N.L.	4540	411581	N.L.	4550
411582	NO	4560	411583	N.L.	4570	411584	N.L.	4580
411585	NO	4590	411586	N.L.	4600	411587	N.L.	4610
411588	NO	4620	411589	N.L.	4630	411590	N.L.	4640
411591	NO	4650	411592	N.L.	4660	411593	N.L.	4670
411594	NO	4680	411595	N.L.	4690	411596	N.L.	4700
411597	NO	4710	411598	N.L.	4720	411599	N.L.	4730
411600	NO	4740	411601	N.L.	4750	411602	N.L.	4760
411603	NO	4770	411604	N.L.	4780	411605	N.L.	4790
411606	NO	4800	411607	N.L.	4810	411608	N.L.	4820
411609	NO	4830	411610	N.L.	4840	411611	N.L.	4850
411612	NO	4860	411613	N.L.	4870	411614	N.L.	4880
411615	NO	4890	411616	N.L.	4900	411617	N.L.	4910
411618	NO	4920	411619	N.L.	4930	411620	N.L.	4940
411621	NO	4950	411622	N.L.	4960	411623	N.L.	4970
411624	NO	4980	411625	N.L.	4990	411626	N.L.	5000

CLASSSHIP, LIST IN THE LINE OF DUTY. PROPOSED ALL NAMES ETCHED WITH 34-35

### Traction Beam Specifications

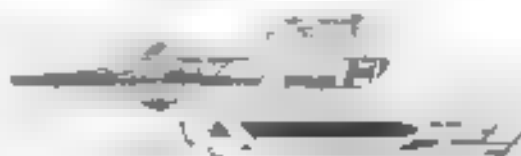
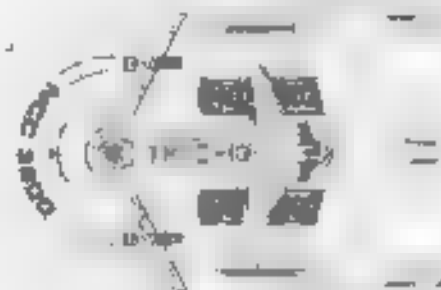
Primary Trajectory Beam Line Calculator



Field Length	4 尺 6 寸 0 分
Field Width	2 尺 0 寸 0 分
Field Mass	4 匁 3 厘



Front Warp Field Profile  
Cross Section Area 18723.53 m<sup>2</sup>

Port Warp Field Profile  
Cross Section Area 30732.41 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 74550.48 m<sup>2</sup>

SRMA-1 05:04:01:04

STARFLEET REFERENCE MANUAL

COMANCHE CLASS

FEDERATION VESSEL

## ATTACK FRIGATE



## General Information

**Specific Role:** The Attack Frigate is designed for surgical attacks while supporting troop placement in conflicted areas. The Attack Frigate is designed to increase the effectiveness of the of the Heavy Frigate through the use of Turreted Multi Phase Mega Phasers. While Multi Phase Mega Phasers are not as powerful as Megaphasers, there ability to Phase Shift the spectrum during the pulse allows the beam to be diffused for maximum penetration.

**Physical Description:** The Attack Frigate incorporates an PHE147 F.A. extended primary hull with a weapons platform extension to the rear and a (DS)2 F.T.7 bridge which contains a larger weapons station and tracking station. The vessel is also equipped with extensive shielding and experimental ECM/ECCM gear. Mounted on the underside of the primary hull is the integrated (SM4) 10K main sensor array and (LN)4 3M navigation dome. Located on the port starboard and bow of the primary hull both top and bottom are six (BP2 30 20) phaser banks. Port and starboard on the upper primary hull forward of the mid-sext extension are (LN2/G 4 2) navigational deflector space energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space energy fields. Mounted in the rear of the primary hull are (T)86 9 11% dual impulse tanks which are used for auxiliary power and sub light propulsion. Two medium hangar decks are situated one on either side of the weapons platform extension at the rear of the primary hull. The vessels warp fields are generated by two (HW)2 2 5% F1 warp nacelles attached to the primary hull by (DR 75 0A) support pylons. Within the primary hull are the (M)6 4 2% inter-trail jammer and AMB. Its 4% matter to matter storage tanks. The matter annihilation storage tanks are situated in the bottom of the hull just below the impulse engines for emergency jettisoning. The Frigate is armed with four MPPT2 5 2% Multi Phase Mega Phasers. The upper turret is supported by a (DR 75 70) support pylon and the lower is connected by the (DR 74 40) support pylon. The port and starboard turrets are connected in (DR 24 1 0) support pylons. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and powered on the remaining nacelle or impulse power.

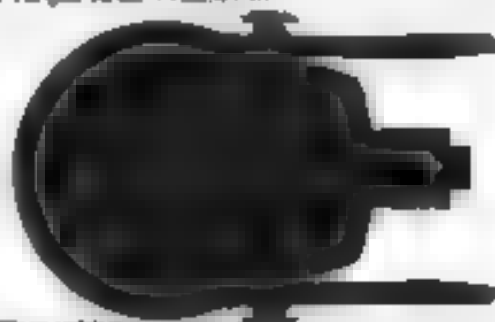
For additional detail refer to Datasheet MV 24

## Class Emblem



## Ship Silhouettes

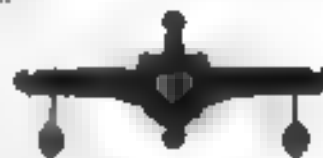
Total Target Area 34887.22 m<sup>2</sup>  
Average Target Area 1129.57 m<sup>2</sup>



Top Silhouette  
Area 82807.77 m<sup>2</sup>



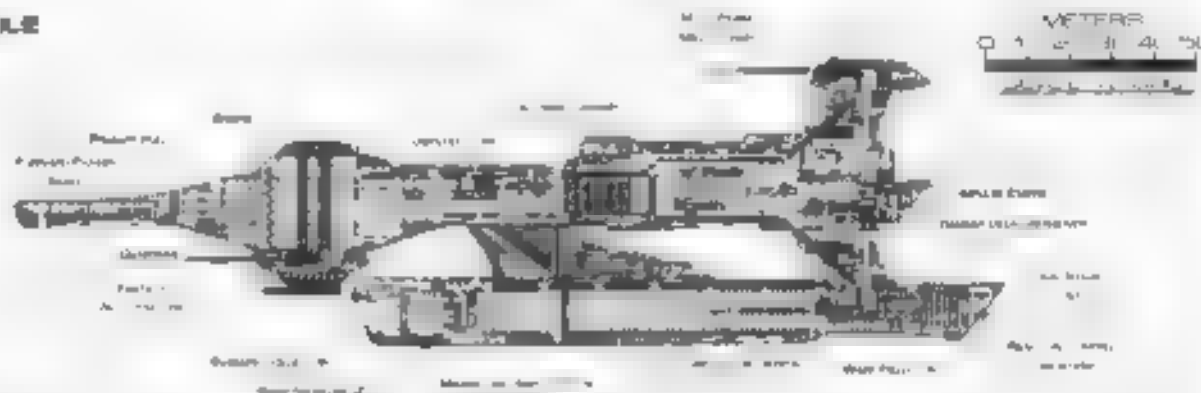
Port Silhouette  
Area 7881.84 m<sup>2</sup>



Front Silhouette  
Area 2187.88 m<sup>2</sup>



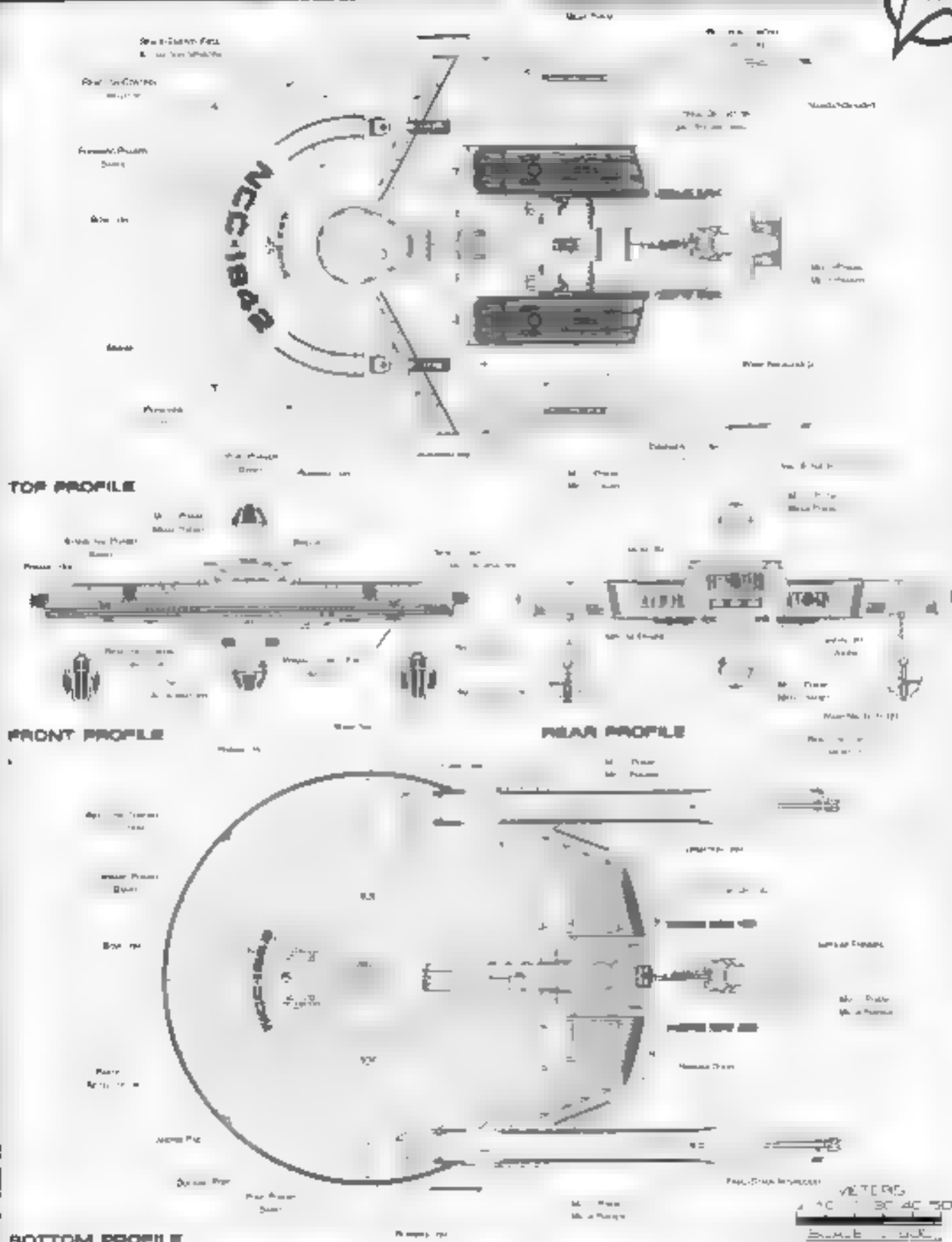
**FEDERAL TRADE COMMISSION**



## FROM SECTION

## Statistics

## ATTACK FRIGATE





# ATTACK! FRIGATE

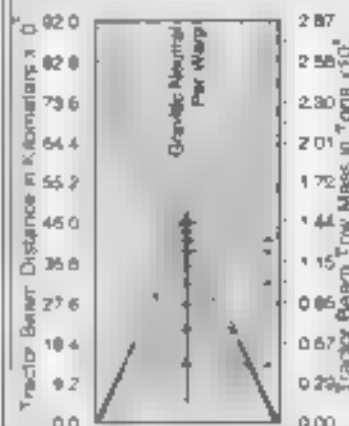
## Ship Names

THE FOLLOWING SHIPS OF THE MK-34 CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.1

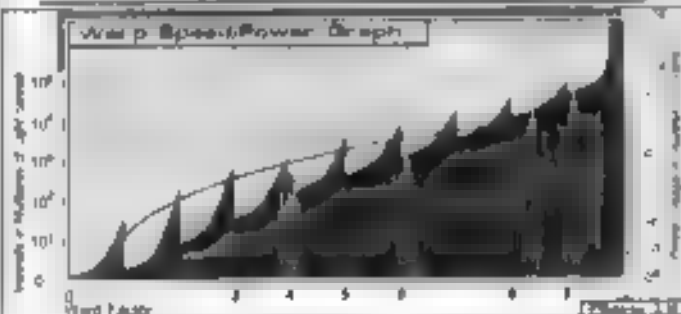
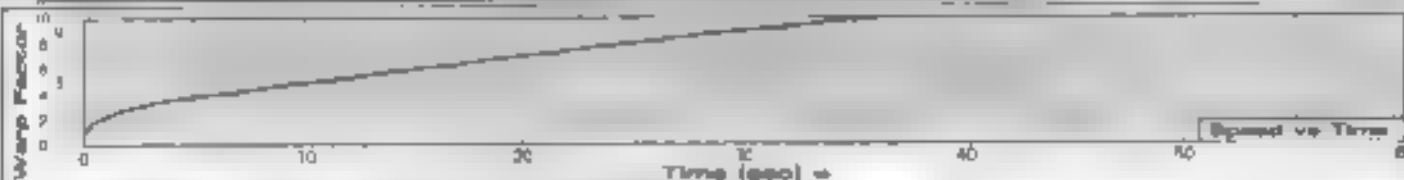
ADRIE NCC 880  
BOZEMAN NCC 194  
JAVANNAUGH NCC 1968  
DIPLOMA NCC 807  
DANFORD NCC 1940  
ESSEL NCC 344  
H. E. NCC 109  
SPH. NCC 101  
K. FNA NCC 150  
HAR NCC 241  
K. SINS NCC 985  
MAYHE NCC 1153  
MAYHE NCC 246  
PANDORA NCC 107  
REUMA NCC 948  
SI. AN NCC 31  
STANLEY NCC 800  
SOYUZ NCC 947  
K. NCC 1148  
K. NCC 994  
ORALHE NCC 983

## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASH REP. LOST IN THE LINE OF DUTY. TRACTORING ALL NAMES ASSOCIATED WITH T.B.E.



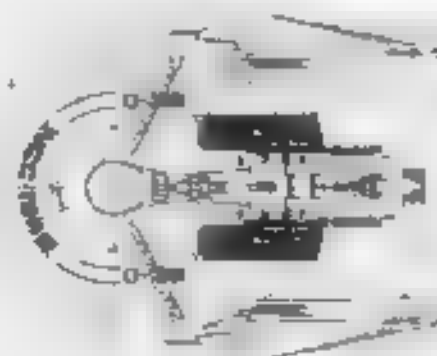
Field Length 480.00m  
Field Width 808.00m  
Field Height 28.00m



Front Warp Field Profile  
Cross Section Area 13831.08 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 20048.88 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 88410.48 m<sup>2</sup>



## FRIGATE



## General Information

**Specific Role:** Exhaustive research of Federation involvement in peace keeping duties led to the development of the Frigate, a fighting ship primarily used to transport lighter craft and troops into battle. The Frigate's small stout package presents minimal silhouette target area to enemy weapons. The Frigate is equipped with a speed-in hangar bay designed to launch and maintain a single wing of lighter craft. To increase the firepower of the Frigate, two MegaPlexers were added to the primary hull and are powered directly off the impulse chamber. Troops are carried aboard at all times and can use either assault shuttles or transporters to reach specific planetary engagements.

**Physical Description:** The Frigate incorporates an P1B-47 F-M2 extended primary hull equipped with heavy weapons shielding and ECM devices, as well as a B5-F-F2 bridge which contains a larger weapons section. Mounted on the underside of the primary hull is the integrated SM49-50 main sensor array and (DN4-2-G) navigation dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (2-30-20) phaser hull cannons and starboard on the upper primary hull forward of the raised extension are (M2-T-4-2) navigational deflector space energy field at various sensors used to assist the navigational shields in deflecting oncoming debris and minor space energy fields. Mounted on the rear of the primary hull are (J-Hub-5-B) dual impulse units which are used for auxiliary power and sublight propulsion. Located at the rear of the primary hull on the starboard side of the impulse engines is a medium hangar deck. The vessel's warp fields are generated by two (SW52-1-5H) warp nacelles attached to the primary hull by (7-25-40) support pylons. Within the primary hull are the (M2H-4-2Y) antimatter chamber and (AMH-10-4S) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull above the impulse engines for emergency jetting. Above the primary hull extension mounted port and starboard are two (MP2-25-20) MegaPlexers. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

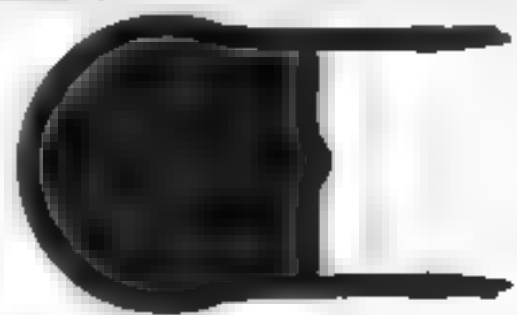
For additional detail refer to Datasheet MV-23

## Class Emblem



## Ship Silhouettes

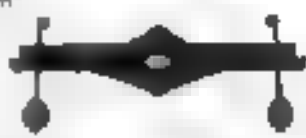
Total Target Area: 87529.08 m<sup>2</sup>  
Average Target Area: 9378.01 m<sup>2</sup>



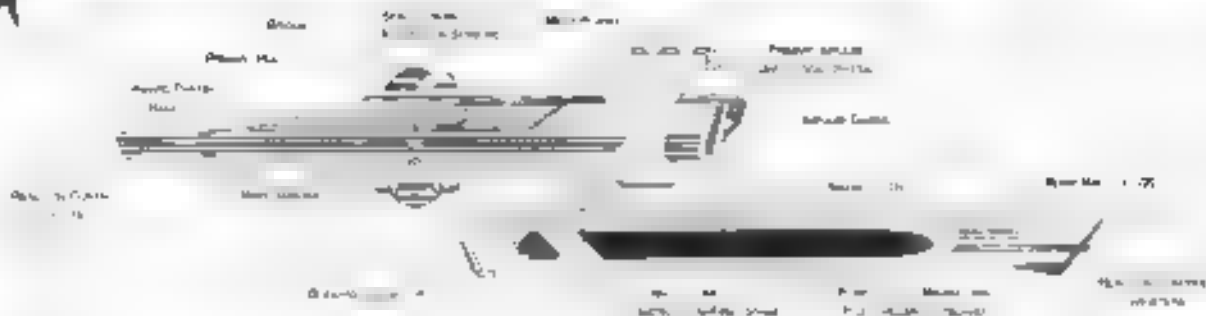
Top Silhouette  
Area: 13404.05 m<sup>2</sup>



Port Silhouette  
Area: 5188.10 m<sup>2</sup>



Front Silhouette  
Area: 9576.87 m<sup>2</sup>

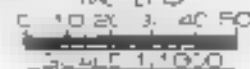


## BOAT PROFILE



## Statistics

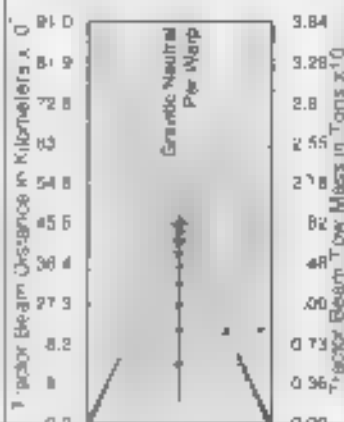
[illegible]





## Tractor Beam Specifications

Primary Tractor Beam Load Calculator



THE FOLLOWING SHIPS OF THE MM XLII CLASS WERE AUTHORIZED BY THE  
AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.8

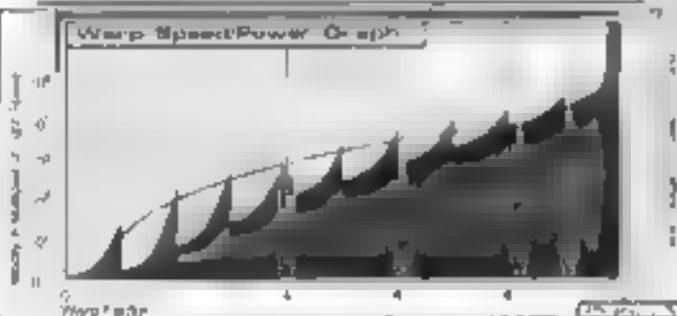
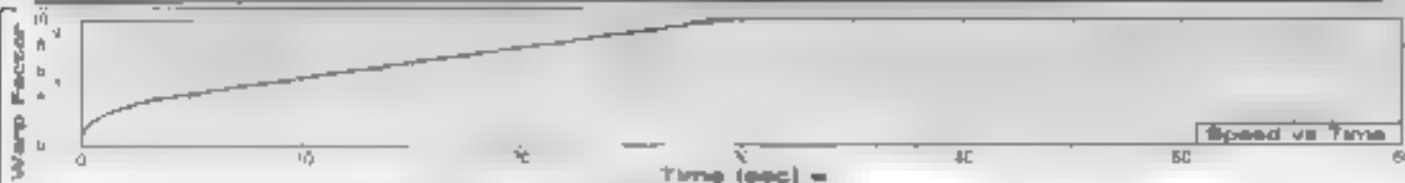
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[illegible]

SACRAMENTO JAIL NO. 544  
U S LA No. 5439  
LA No. 546  
LA No. 54 b  
LA No. 546  
LA No. 546  
LA No. 546  
LA No. 546  
LA No. 546

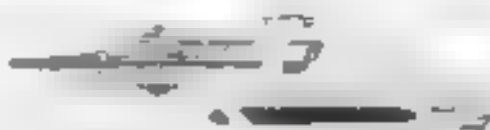
CLASS SHIP. "LOST IN THE LINE OF DUTY." PROPOSED. ALL NAMES PREFIXED WITH "U.S.S."



Paula Larygit	464 3339
Paula Wacht	804 3339
Paula Waggner	804 3339



Front Warp Field Profile  
Cross Section Area: 2000.45 m<sup>2</sup>

Porto Warp Field Profile  
Cross Section Area: 69308.94 m.<sup>2</sup>

Top Werp Field Profile  
Cross Section Area: 6007.2 m<sup>2</sup>

## HEAVY FRIGATE



## General Information

**Specific Role:** After much success with the standard Frigate design, Starfleet decided to create a heavier version with increased effectiveness. The Heavy Frigate has a 4-reteered extended primary hull to make space for dual hangar decks to support and maintain two wings of fighter craft. As with the standard Frigate, the Heavy Frigate has two MegaPhasers located above the engines. The most noticeable modification of the design is the addition of a rear bay used to support the photon torpedo weapons pod. The photon torpedo pod gives the vessel both forward and rear attack angles.

**Physical Description:** The Frigate incorporates an (PHE 147 P-M1) extended primary hull equipped with heavy weapons shielding and E.M.E.C.M. devices, as well as a (BS10/P-T1) bridge which contains a larger weapons station. Mounted on the underside of the primary hull is the integrated (SM49/63) main sensor array and (JN4-1) navigation dome. Located on the port/starboard and bow of the primary hull (both top and bottom) are six (MP2/5-2) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are (DN2-14-2) navigational deflector space energy field activation sensors used to assist the navigational shields in deflecting incoming debris and monitor space energy fields. Mounted on the rear of the primary hull are (PHE1/5-D1) dual impulse units which are used for auxiliary power and sublight propulsion. Two medium hangar decks are installed, one on either side of the impulse engines in the rear of the primary hull. The vessels' warp fields are generated by two (SW12-5H) warp nacelles attached to the primary hull by (125-ft) support pylons. Within the primary hull is the (M3-4-22) intercom, transporter and (AMS-36-47) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency self-sustaining. Above the primary hull extension mounted port and starboard are two (MP2/5-2) MegaPhasers. Above the primary hull and supported on the (DL-52-12W) roll out is a (PHE-50-DE) photon torpedo pod. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the recumbiting hull on impulse power.

For additional detail refer to DataSheet MV-9.

## Class Emblem



## Ship Silhouettes

Total Target Area: 23436.38 m<sup>2</sup>  
Average Target Area: 11718.19 m<sup>2</sup>



Top Silhouette  
Area: 8164.89 m<sup>2</sup>



Port Silhouette  
Area: 8003.48 m<sup>2</sup>

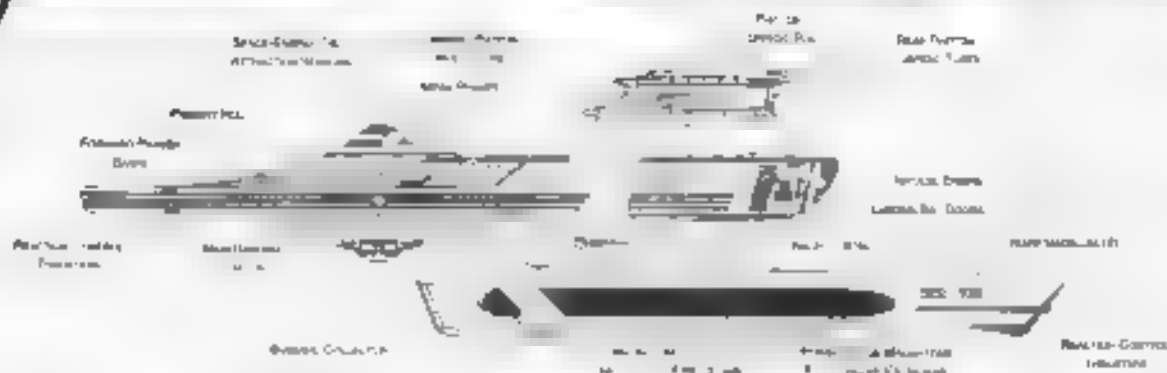


Front Silhouette  
Area: 5468.38 m<sup>2</sup>

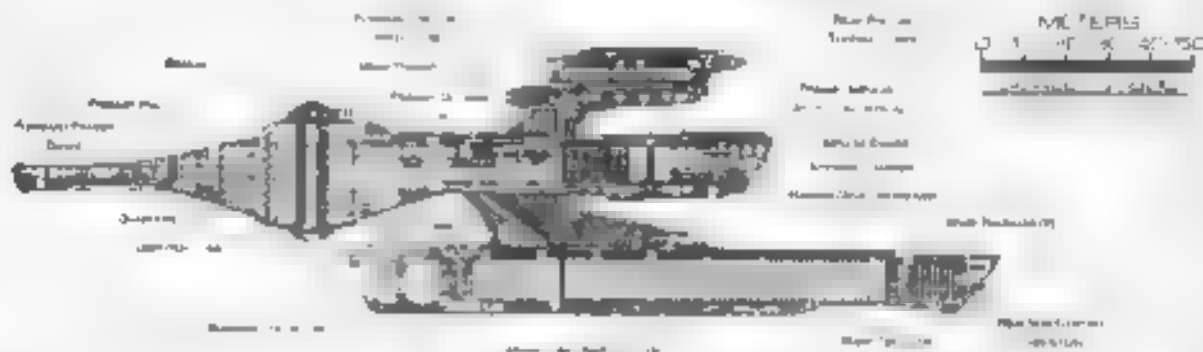


# HEAVY FRIGATE

MIRANDA CLASS



## PORT PROFILE



## CROSS SECTION

# Statistics

**Classification:** Heavy Frigate  
**Category:** Warship  
**Class:** Miranda  
**Type:** Warship  
**Model:** MH-1000  
**Starship Number:** 1000  
**Number Produced:** 10  
**Number Commissioned:** 10  
**Number in Service:** 10  
**Number Lost:** 0  
**Dimensions:**  
 Overall Dimensions (Metric)  
 Length: 100.0 m  
 Width: 10.0 m  
 Height: 10.0 m  
 Primary Hull Dimensions (Metric)  
 Length: 100.0 m  
 Width: 10.0 m  
 Height: 10.0 m  
 Secondary Hull Dimensions (Metric)  
 Length: 10.0 m  
 Width: 10.0 m  
 Height: 10.0 m  
 Tertiary Hull Dimensions (Metric)  
 Length: 10.0 m  
 Width: 10.0 m  
 Height: 10.0 m  
**Displacement:** 1000 tons  
**Light:** 1000 tons  
**Standard:** 1000 tons  
**Maximum:** 1000 tons  
**Performance:**  
 Engines: 1000  
 Engine Output: 1000 W  
 Engine Power Index: 1000  
 Max Cruising: 1000  
 Acceleration Index:  
 0.00-0.25 Impulse: 0.25 sec  
 0.25-0.50 Impulse: 0.50 sec  
 0.50-0.75 Impulse: 0.75 sec  
 0.75-1.00 Impulse: 1.00 sec  
 Warp Factor: 1000  
 Warp Factor Output: 1000 W  
 Warp Power Index: 1000

**Optimum Speed:** 1000  
**Max Safe Cruising:** 1000  
**Emergency Speed:** 1000  
**Max Speed:** 1000  
**Maximum Acceleration:** 1000  
**Acceleration Index:** 1000  
**Acceleration Time:** 1000  
 Warp 1 Warp 2 1000  
 Warp 3 Warp 4 1000  
 Warp 5 Warp 6 1000  
 Warp 7 Warp 8 1000  
 Warp 9 Warp 10 1000  
 Warp 11 Warp 12 1000  
 Warp 13 Warp 14 1000  
 Warp 15 Warp 16 1000  
 Warp 17 Warp 18 1000  
 Warp 19 Warp 20 1000  
**Duration (Years):** 1000  
 Standard: 1000  
 Maximum: 1000  
 Minimum: 1000  
 Crew Complement: 1000  
 Troops: 1000  
 Passengers: 1000  
 Emergency Evacuation: 1000  
**Medical Facilities:** 1000  
 Doctors: 1000  
 Medical Staff: 1000  
 Operating Room: 1000  
 Beds: 1000  
**Laboratories:** 1000  
**Transporters:** 1000  
 Primary: 1000  
 Secondary: 1000  
 Tertiary: 1000  
 Quaternary: 1000  
 Quintary: 1000  
 Sextary: 1000  
 Septary: 1000  
 Octary: 1000  
 Nony: 1000  
 Decary: 1000  
 Undecary: 1000  
 Duodecary: 1000  
 Tredecary: 1000  
 Quattuordecary: 1000  
 Quindecary: 1000  
 Sexdecary: 1000  
 Septendecary: 1000  
 Octodecary: 1000  
 Nondecary: 1000  
 Vigintiary: 1000  
 Trigintary: 1000  
 Quadrigintary: 1000  
 Quinquagintary: 1000  
 Sexagintary: 1000  
 Septuagintary: 1000  
 Octogintary: 1000  
 Nonagintary: 1000  
 Centenary: 1000

**Weapons:** 1000  
**Armaments:** 1000  
**Primary Armament:** 1000  
**Secondary Armament:** 1000  
**Tertiary Armament:** 1000  
**Quaternary Armament:** 1000  
**Quintary Armament:** 1000  
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**Septary Armament:** 1000  
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**Centenary Armament:** 1000

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**Shield Index:** 1000  
**Shield Power:** 1000  
**Shield Rate:** 1000  
**Shield Status:** 1000  
**Shield Details:** 1000  
**Shield Features:** 1000  
**Shield Equipment:** 1000  
**Shield Complement:** 1000  
**Shield Armament:** 1000  
**Shield Details:** 1000  
**Shield Features:** 1000  
**Shield Equipment:** 1000  
**Shield Complement:** 1000  
**Shield Armament:** 1000

FEDERATION WEBSITE





# HEAVY FRIGATE

## Ship Names

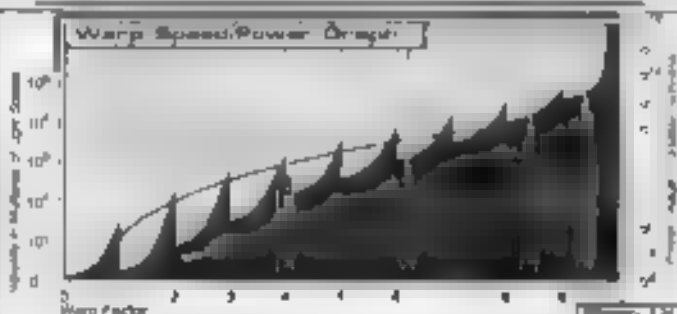
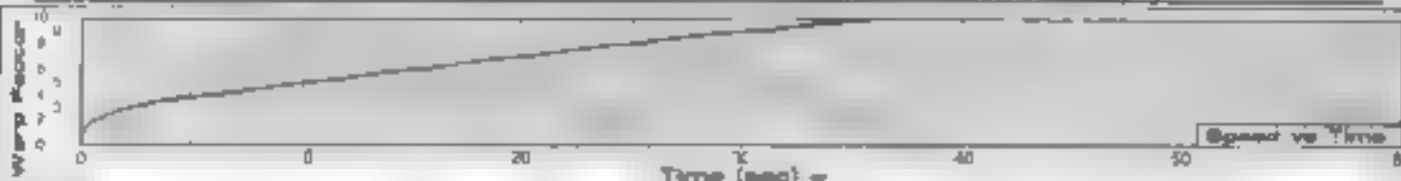
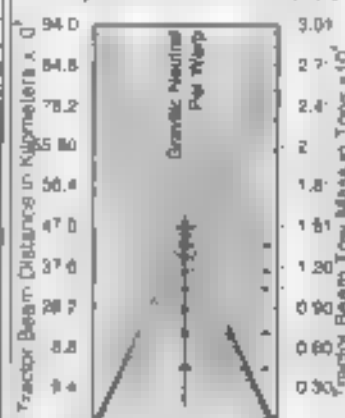
THE FOLLOWING SHIPS OF THE MK XIVa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.10

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ARMANTHA, NCL 1815	KINYO, NCL 84	SAVA, NCL 82
AVENGER, NCL 800	KUNO, NCL 85	SAVA, NCL 83
BANE, NCL 808	KUNO, NCL 86	SAVA, NCL 84
BARKWOLD, NCL 870	KUNO, NCL 87	SAVA, NCL 85
BILL, NCL 810	KUNO, NCL 88	SAVA, NCL 86
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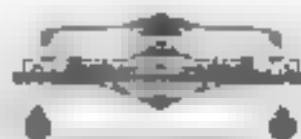
"CLASS SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH "S.A.S."

## Traction Beam Specifications

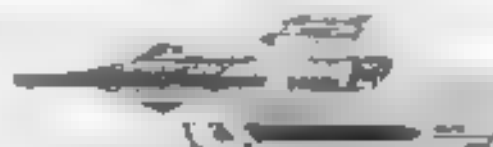
Primary Traction Beam Load Calculator



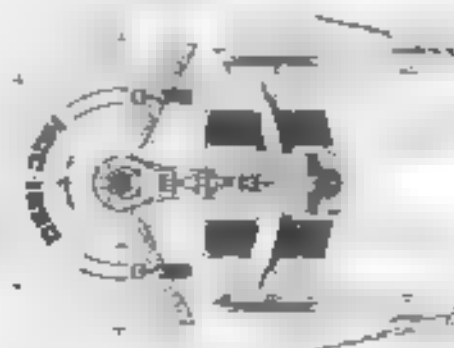
Field Length 4000 1 km  
Field Width 80 80m  
Field Height 80 80m



Front Warp Field Profile  
Cross Section Area 14000.10 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 30044.41 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 59411.80 m<sup>2</sup>



# LIGHT FRIGATE



## General Information

**Specific Role:** With the success of the Frigate it was determined that Starfleet needed a Light Frigate to expand capability of the frigate design. The Light Frigate's small, sleek package presents minimal silhouette (largest area to enemy vessels). The Light Frigate is equipped with a medium hangar, was designed to launch and maintain a single wing of light craft. To increase the firepower of the Light Frigate two Heavy Phasers were added to the primary hull and are powered directly off the intermix chamber. Troops are carried aboard at all times and can use either basic structures or subporters to reach specific planetary engagements.

**Physical Description:** The Light Frigate incorporates an 111m x 4 x 1 F2 extended primary hull equipped with heavy weapons, shielding and ECM devices as well as a 10m x 1.2 bridge which contains a larger weapons section. Mounted on the outside of the primary hull is the integrated DSM-19 5m main sensor array and DN4-2 C navigation module. Located on the port starboard and bow of the primary hull (above and below) are six T162-120 phaser banks. Mounted in the rear of the primary hull are 1 T46E-5 C-3 dual impulse units which are used for auxiliary power and sublight propulsion. Located in the rear of the primary hull on the starboard side of the impulse engines is a medium hangar deck. The engines warp fields are generated by two PSW52-5AC1 warp nacelles attached to the primary hull with 1500 support pylons. Within the primary hull are the M21-4-210 intermix chamber and DSM7-16-45m main and auxiliary stage tanks. The main antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency recharging. Active warp nacelle support pylons are two H-11-2F1 Heavy Phasers. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

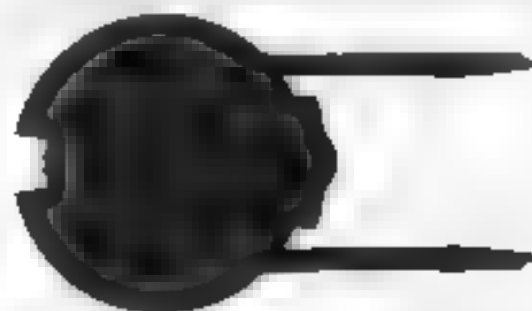
For additional details refer to Data sheet MV-26

## Class Emblem



## Ship Silhouettes

Total Target Area 85273.05 m<sup>2</sup>  
Average Target Area 8527.31 m<sup>2</sup>



Top Silhouette  
Area 8570.53 m<sup>2</sup>



Port Silhouette  
Area 4577.81 m<sup>2</sup>



Front Silhouette  
Area 2125.31 m<sup>2</sup>



## CRANE SECTION

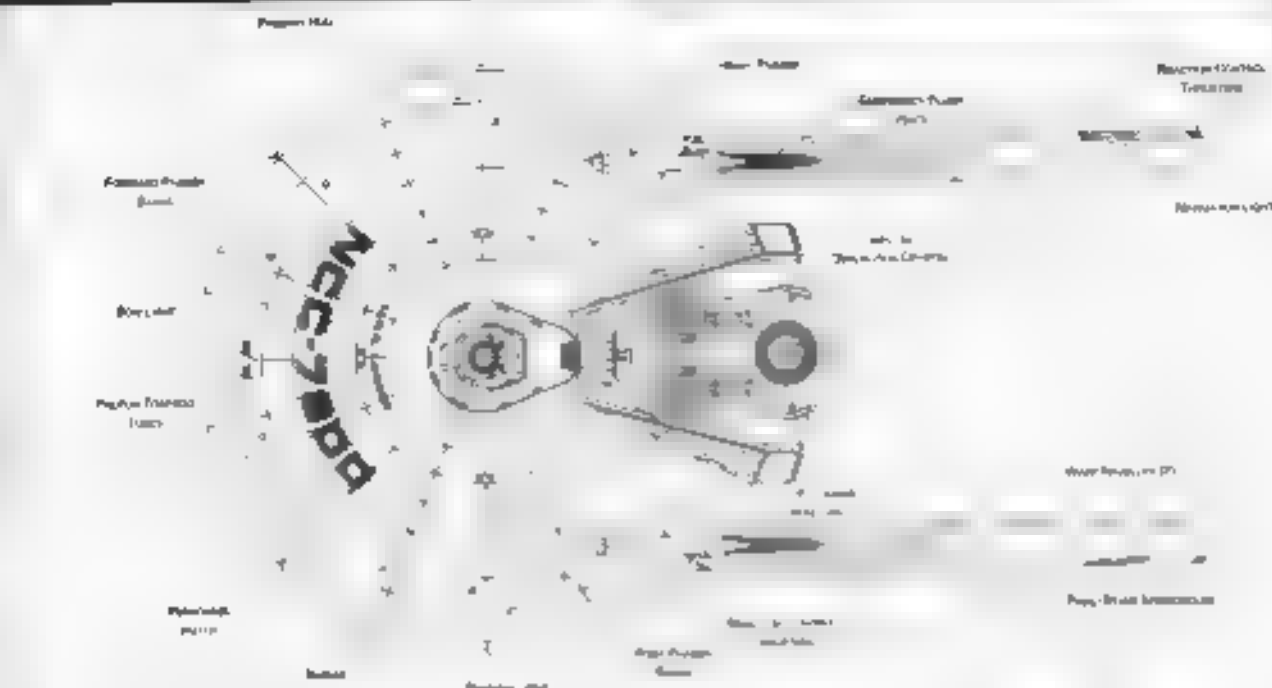
## Statistics

Warp Factor Index: 42

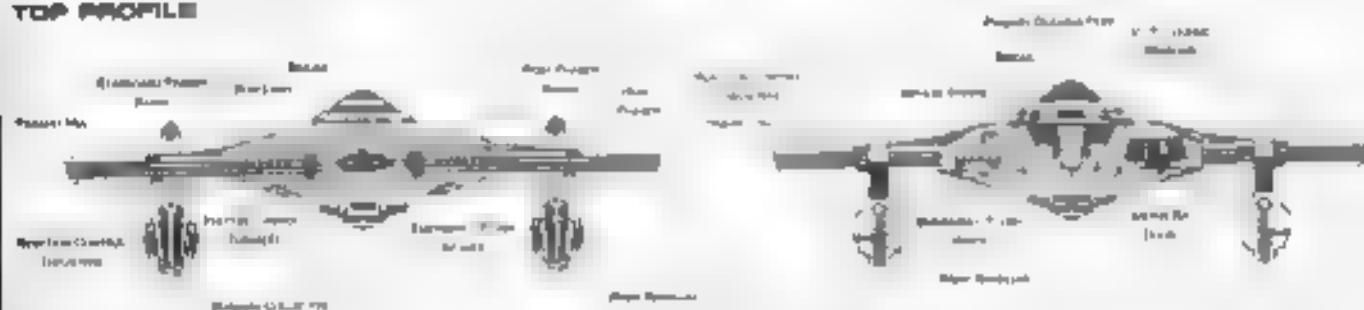
Lower Cases.

From: Thompson, D.

Lesson 10

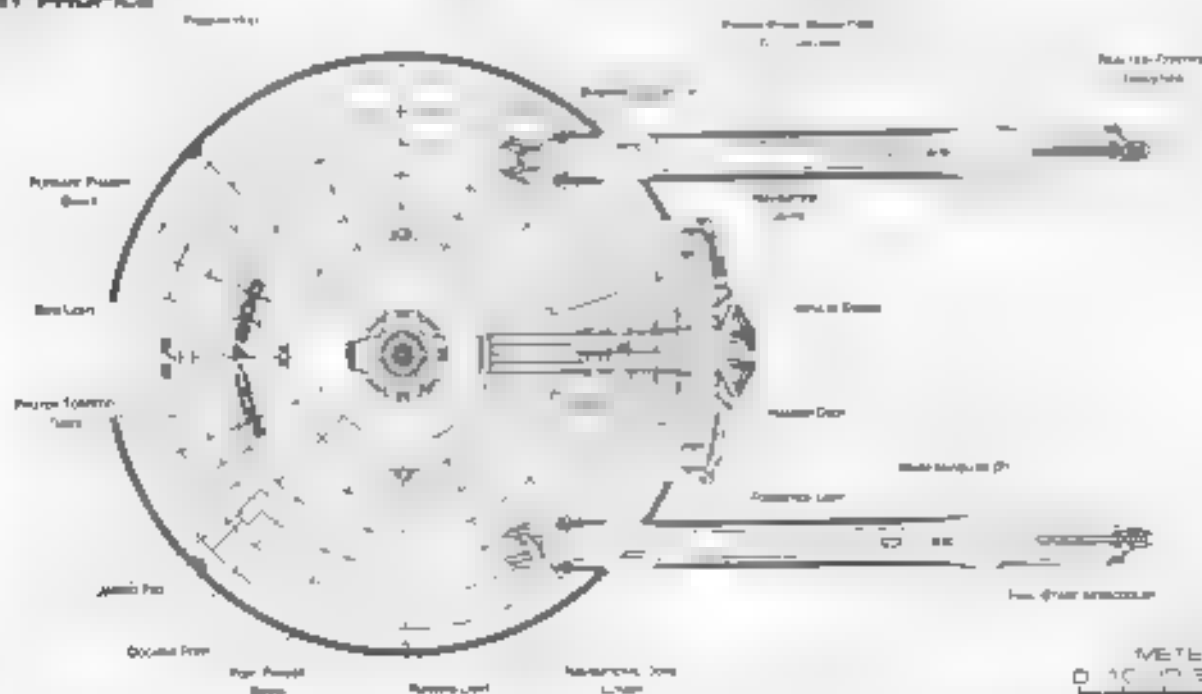


TOP PROFILE



### FRONT PROFILE

## BEAR PROFILE



**BOTTOM PROFILE**

METERS  
0 10 20 30 40 50  
SCALE 1:50,000



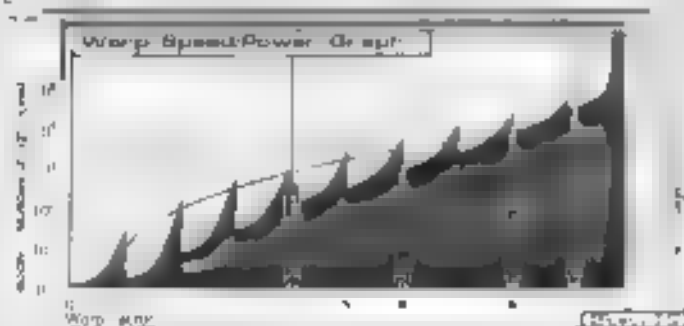
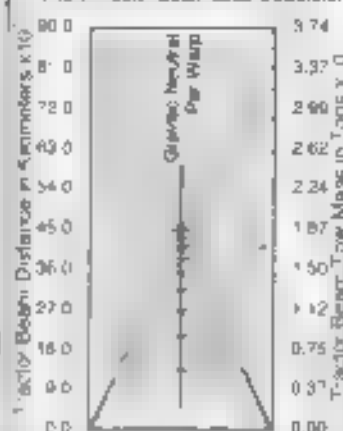
**LANCER CLASS**

[illegible]

1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348</
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GLASS SHIP. LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "U.S.M.".

### Primary Tractor Beam Load Calculator



Fax: +86-907-8255114    Email: [sales@china-hyundai.com](mailto:sales@china-hyundai.com)  
P.O.Box 24, Jishi Road, Jishi District, Beijing  
P.R.China    Website: [www.china-hyundai.com](http://www.china-hyundai.com)



Fracture Warp Field Profile  
Crack Section Area 1.18249 m<sup>2</sup>

Port Wasp Field Profile  
Cross Section Area 21810.89 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 84495.02 m<sup>2</sup>

STARFLEET REFERENCE MANUAL

**FEDERATION VESSEL**

## STRATEGIC FRIGATE



## General Information

**Specific Role:** After much success with the Heavy Frigate design, Starfleet decided to create a version to increase the strategic effectiveness of the frigate design. The Strategic Frigate shares the stretched extended primary hull of the Heavy Frigate to make space for dual hangar decks to support and maintain two wings of fighter craft. The Strategic Frigate has two large sensor arrays located on either side of the primary hull. The sensor arrays are highly sensitive long range sensors designed to gather strategic data for the fleet.

**Physical Description:** The Frigate incorporates an (DIF-4-7-31) extended primary hull equipped with heavy weapons, shielding, and ECM/ECCM devices, as well as a (D51C-C-T) bridge which contains a larger weapons station. Mounted on the afterside of the primary hull is the integrated (SM49/6E) main sensor array and (DN4-1-F) navigation dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2-30-215) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are (DN2-1-4-2) navigational deflector space energy field arrays. Sensors used to assist the navigational shields in deflecting oncoming debris and monitor space energy fields. Mounted on the rear of the primary hull are (1-186E/5-171) dual impulse drives which are used for auxiliary power and sublight propulsion. Two medium hangar decks are installed, one on either side of the impulse engines at the rear of the primary hull. The vessel's warp fields are generated by two (SW-52-500) warp engines attached to the primary hull by (DN-25-61) support pylons. Within the primary hull is the (M-10-4-20) matter, antimatter and (AM-5b-40) matter and antimatter storage tanks. The matter, antimatter storage tanks are situated in the bow of the hull just below the impulse engines for emergency propelling. Located on either side of the primary hull are the two (SA45-1-24T) sensor arrays. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MV-21

## Class Emblem



## Ship Silhouettes

Total Target Area: 21,384,687 m<sup>2</sup>  
Average Target Area: 10,494,897 m<sup>2</sup>



Top Silhouette  
Area: 21,384,687 m<sup>2</sup>



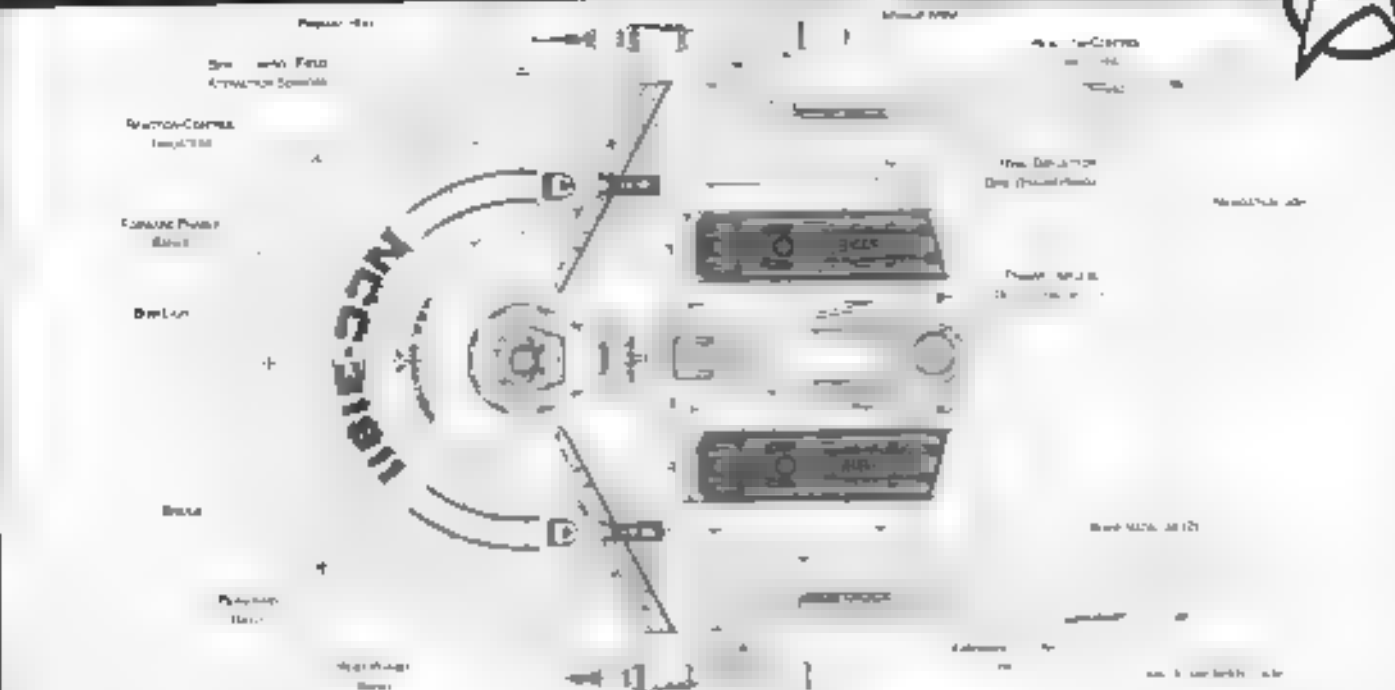
Port Silhouette  
Area: 8,342,400 m<sup>2</sup>



Front Silhouette  
Area: 2,138,469 m<sup>2</sup>



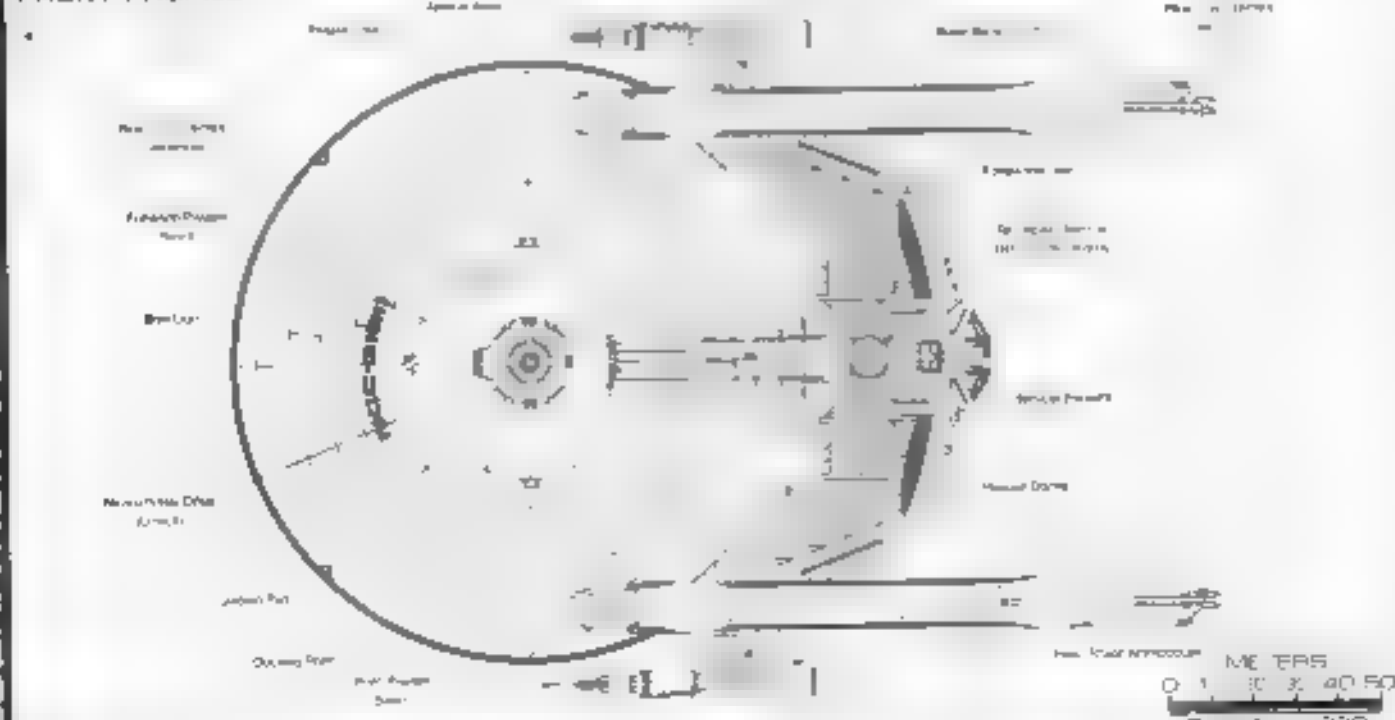
## STRATEGIC FRIGATE



TOP PROFILE



FRONT PROFILE



BOTTOM PROFILE



# STRATEGIC FRIGATE

## Ship Names

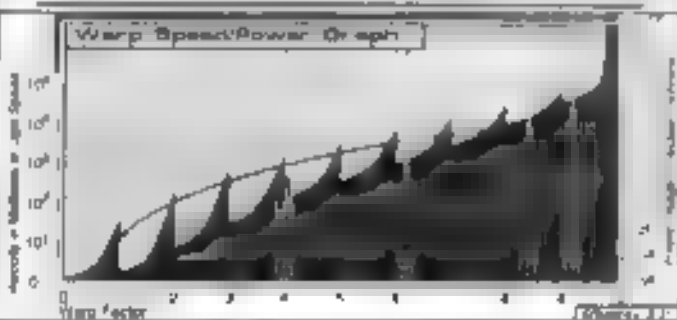
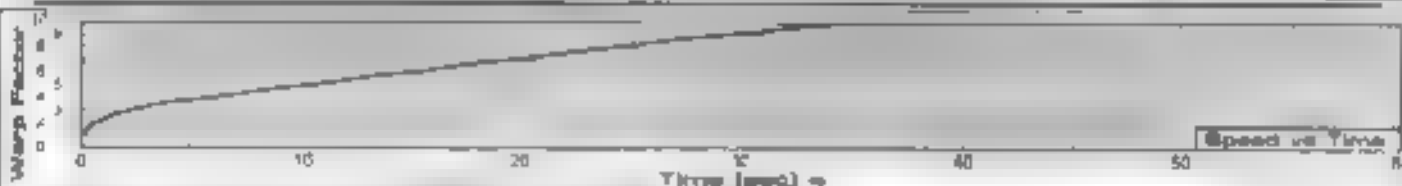
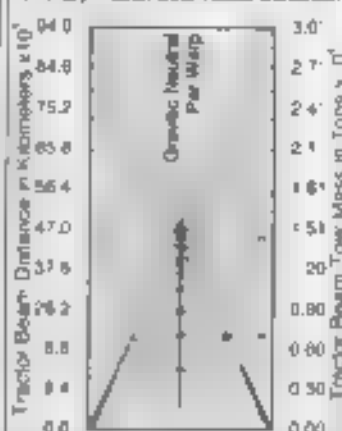
THE FOLLOWING SHIPS OF THE MK XXXIX CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2299.3

ASAI JYAR NCC 31836	NAI'LOS N 327
BAGHOAD NCC 31837	NC'ES N 3
BASAN AR NCC 31838	NE'IS A N 329
BATIRA NCC 31839	NI'HALLEDING NCC 31840
DELSON R NCC 31841	OD'ILD NCC 31842
FALJON INDY 31843	PL'AM N 318
FAL'UAI NCC 31844	PP'ARFS N 307
F'YIN OR'EFAS NCC 31845	PL'AN NCC 31846
TAMMA YDRA NCC 31847	PP'NE NCC 31848
J'YIN NCC 31849	BA'FA'UA NCC 31850
KANDAHAR NCC 31851	SH'IN AR NCC 31852
KLAF NCC 31853	SL'A NCC 31854
KINCHIE NCC 31855	SH'AD NCC 31856
L'CHRE NCC 31857	SL'E NCC 31858
A'KIA NCC 31859	SL'AN NCC 31860
AN'IN NCC 31861	TR'F NCC 31862
ON'ON NCC 31863	V'ROVAR NCC 31864
ON'ON NCC 31865	
ON'ON NCC 31866	
ON'ON NCC 31867	
ON'ON NCC 31868	
ON'ON NCC 31869	
ON'ON NCC 31870	
ON'ON NCC 31871	
ON'ON NCC 31872	
ON'ON NCC 31873	
ON'ON NCC 31874	
ON'ON NCC 31875	
ON'ON NCC 31876	
ON'ON NCC 31877	
ON'ON NCC 31878	
ON'ON NCC 31879	
ON'ON NCC 31880	

CLASS SHIP, LOST IN THE LINE OF DUTY. PREPARED ALL NAMES PROVIDED WITH T.S.B.

## Traction Beam Specifications

Primary Traction Beam Load Calculator



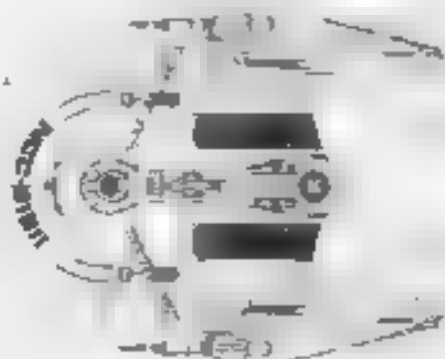
Phase Length: 488.89m  
Field Width: 180.20m  
Field Height: 78.12m



Front Warp Field Profile  
Cross Section Area 18314.84 m<sup>2</sup>



Port Warp Field Profile  
Cross Section Area 88821.01 m<sup>2</sup>



Top Warp Field Profile  
Cross Section Area 88773.29 m<sup>2</sup>

SARATOGA CLASS

FEDERATION VESSEL



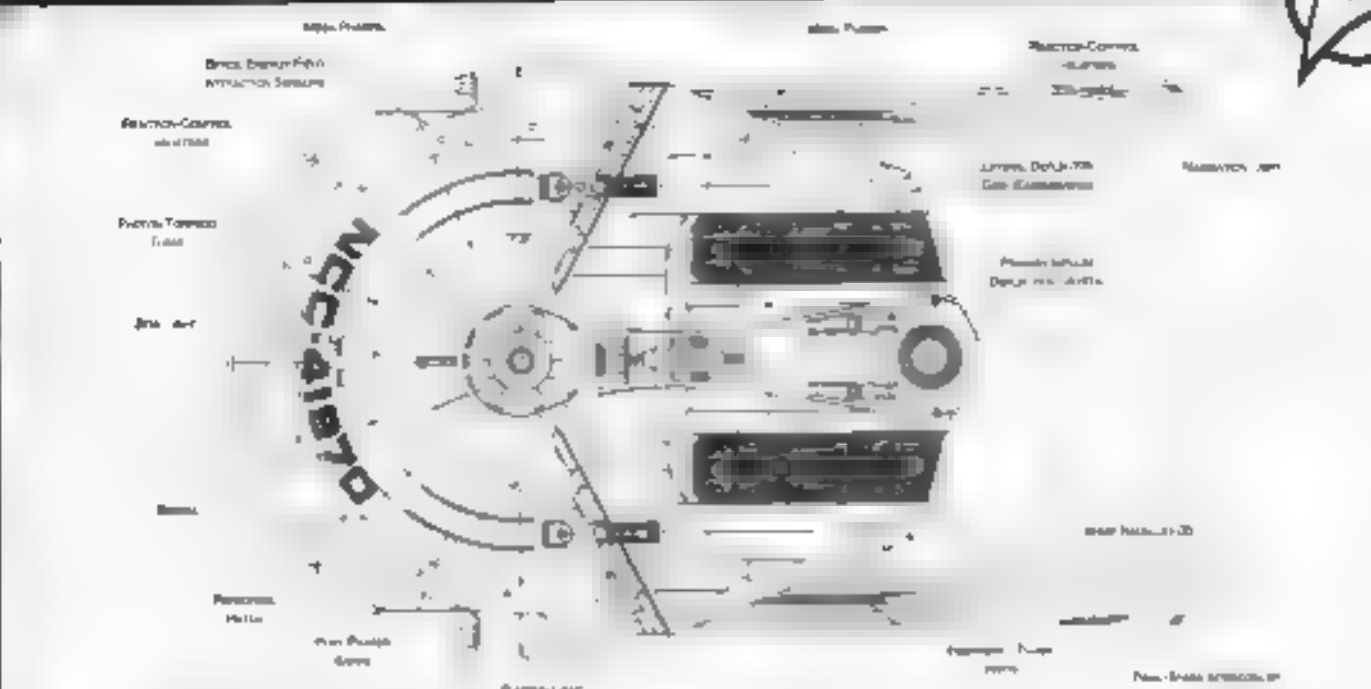




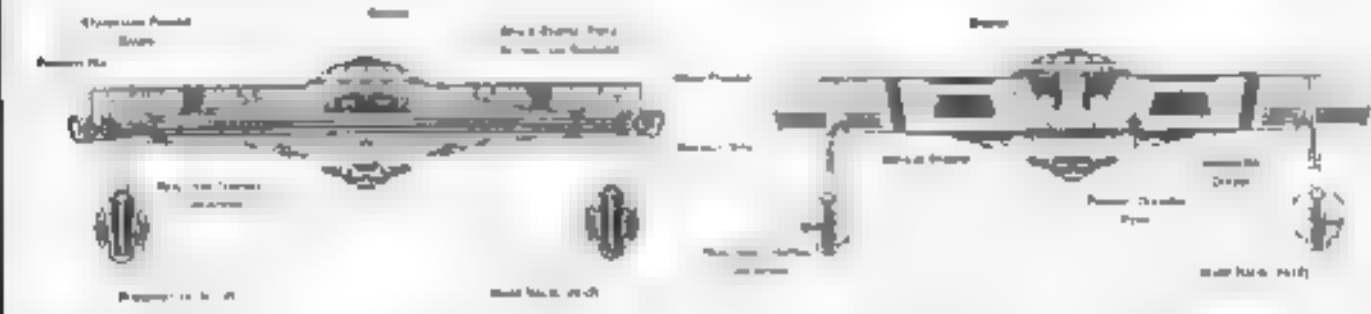
## Statistics

Starboard Bay C  
Upper Bay D  
Lower Bay D

# TACTICAL FRIGATE

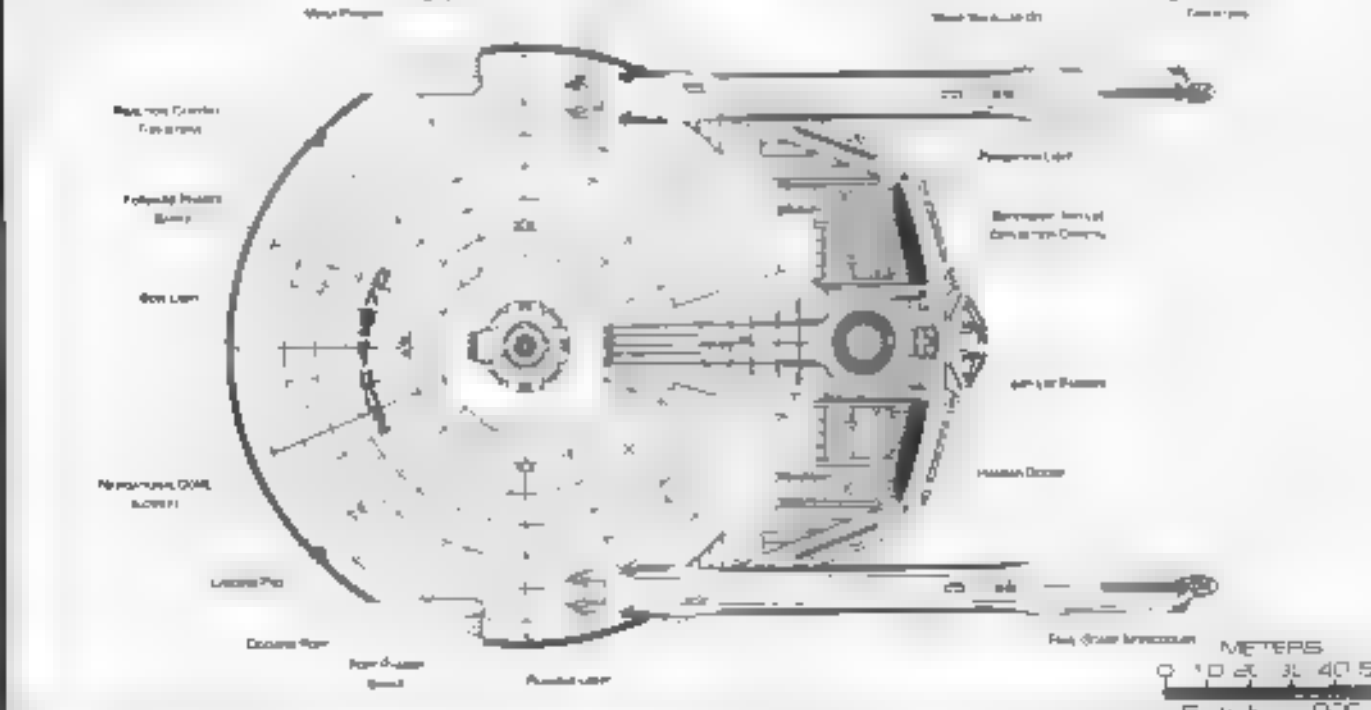


**TOP PROFILE**

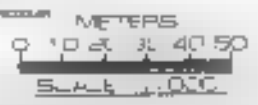


**FRONT PROFILE**

**REAR PROFILE**



**BOTTOM PROFILE**

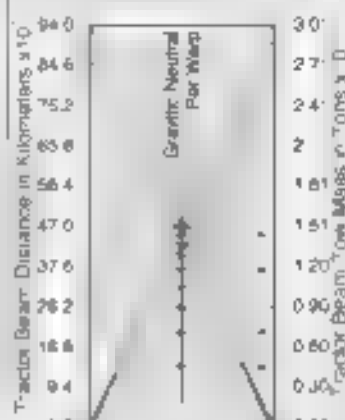




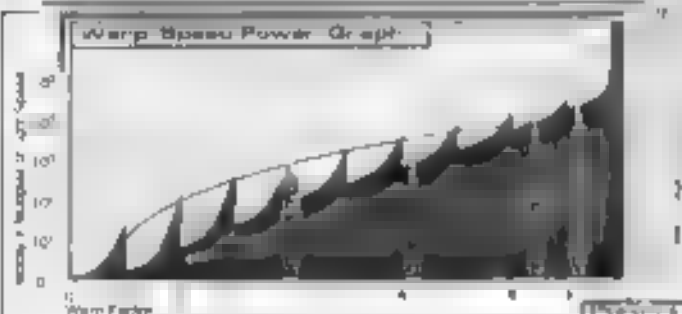
## Ship Names

### Tractor Beam Specifications

### Primary Traction Beam Load Calculator

[illegible]

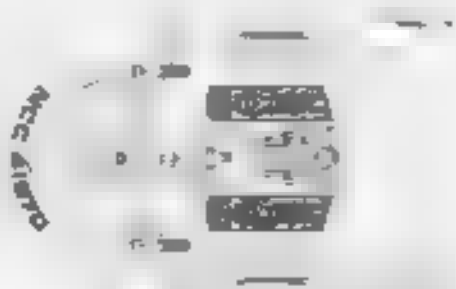
CLASS ONE: "LOST IN THE LINE OF DUTY" - THOSE WHOSE ALL NAMES PRECEDED WITH "A.S.S."



Paved Length: 44.100m  
 Paved Width: 20.127m  
 Paved Height: 0.37m



Front Warp Field Profile  
Grass Swath Area: 13824.40 m<sup>2</sup>

Port Warp Field Profile  
Cross Section Area 39550.03 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 89087.47 m<sup>2</sup>

## ASSAULT TRANSPORT / TUG



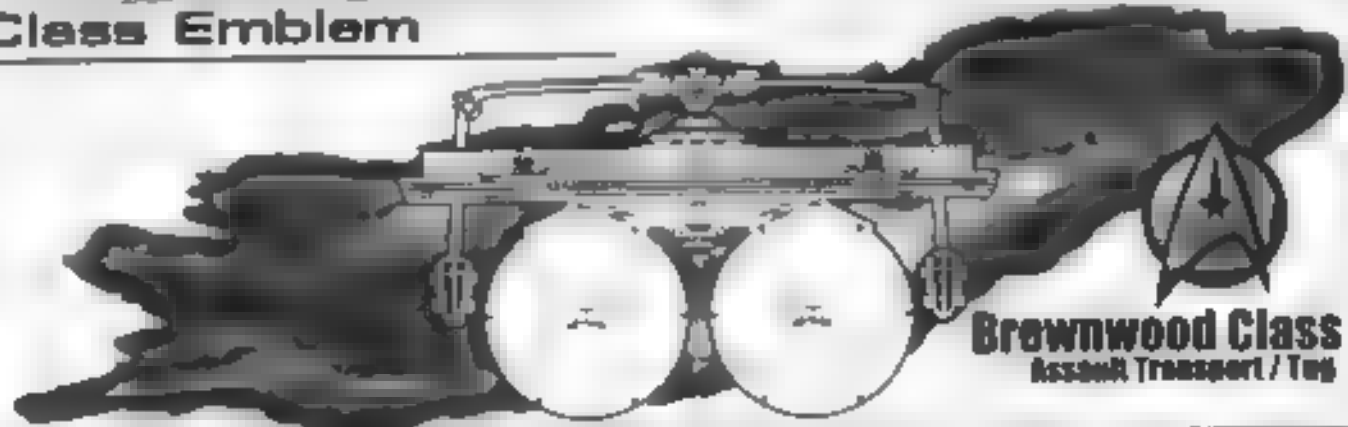
## General Information

**Specific Role:** The ever increasing tonnage of equipment and supplies called for the design of a heavier transport/tug vessel. The Assault Transport/Tug's internal arrangement allows additional passenger accommodations and even a few staterooms. Although slower than the Transport/Tug, the towing capacity has doubled while maintaining the same power consumption. The tug is able to carry up to six containers by manipulating its warp field to cover the additional containers but with a reduction of top speed. The tug is also equipped with a heavy duty tractor beam designed for extreme range and tonnage. The most noticeable modification of the design is the addition of a roll bar used to support the photon torpedo weapons pod. The photon torpedo pod gives the vessel both forward and rear attack angles.

**Physical Description:** The Assault Transport/Tug incorporates an (PHE 47' F 12' extended primary hull) equipped which contains additional passenger accommodations. The primary hull is equipped with the (JSS9' F R5) bridge that contains additional navigation stations and magnetic field manipulation instrumentation. Mounted on the underside of the primary hull is the integrated (SM-14 6M) main sensor array and (DN4 1 M) navigation dome. Located on the port starboard and bow of the primary hull both top and bottom are six (B-2 30 2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are (DN2 4 2) navigational deflector or spare energy field attraction sensors used to assist the navigational shield while tug oncoming debris and minor space energy fields. Mounted at the rear of the primary hull are (IP R6E 5 FLa) dual impulse nacelles which are used for auxiliary power and starlight propulsion. Two medium hangar decks are installed, one on either side of the impulse engines at the rear of the primary hull. The vessels warp fields are generated by two (SW52 5RF) warp nacelles attached to the primary hull on (D 25 6F) support pylons. Within the primary hull is the (M30 4 2C) intermix chamber and (AMN 36 4F) matter antimatter storage tanks. The matter antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency re-boosting. Above the primary hull extension mounted port and starboard are two (M-2 15 20) Megathrusters. Above the primary hull are supported by the (T-52 12S) roll bar and a (PH4 50 10C) photon torpedo pod. Below the primary hull are two (AP-7C) sensor per attachment plates supported by two (D 20 16A) counter tug durians. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MVA-4

## Class Emblem



## Ship Silhouettes

Total Target Area 21401.77 m<sup>2</sup> 27880.77 m<sup>2</sup> 26339.98 m<sup>2</sup>  
Average Target Area 10697.88 m<sup>2</sup> 13940.39 m<sup>2</sup> 13169.99 m<sup>2</sup>



Top Silhouette  
Area 21804.18 m<sup>2</sup> 27278.33 m<sup>2</sup> 24990.55 m<sup>2</sup>



Port Silhouette  
Area 6808.88 m<sup>2</sup> 14888.21 m<sup>2</sup>  
14888.21 m<sup>2</sup>

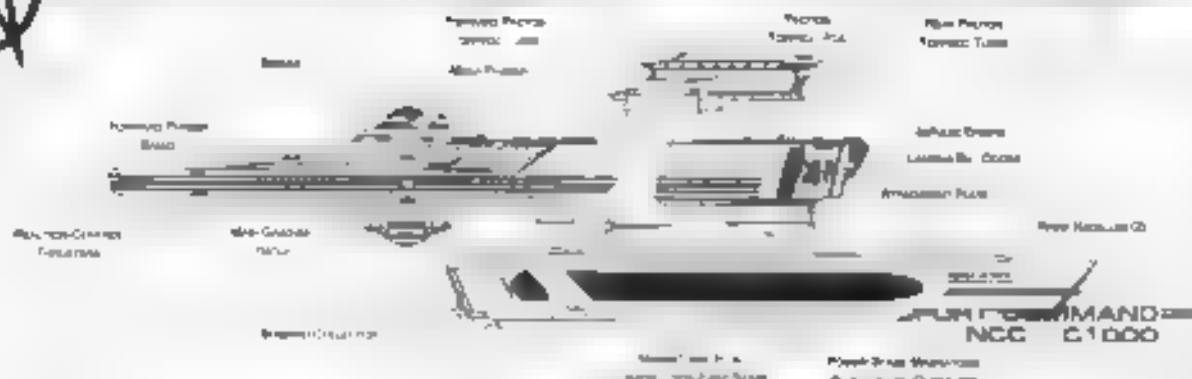


Front Silhouette  
Area 3180.88 m<sup>2</sup> 2880.88 m<sup>2</sup> 6199.78 m<sup>2</sup>

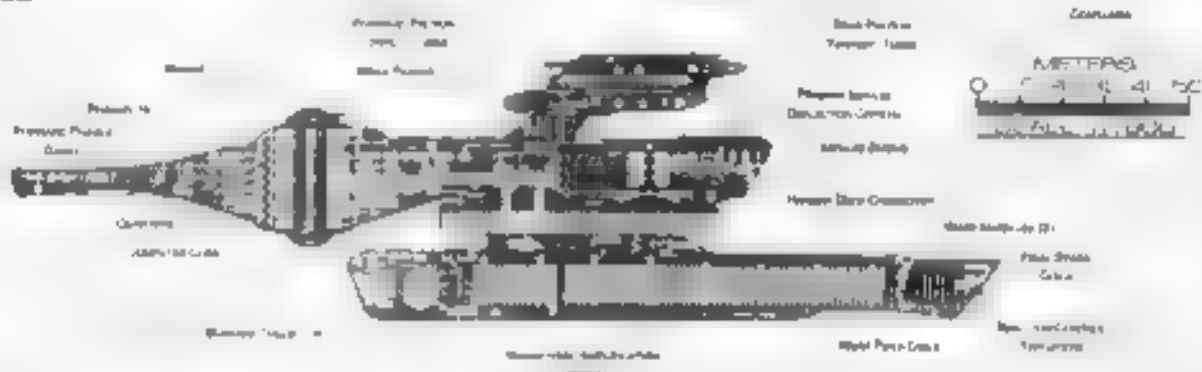


# ASSAULT TRANSPORT / TUG

BROWNWOOD CLASS



## PORT PROFILE



## CROSS SECTION

## Statistics

### Classification: Assault Transport

Registry: 1015 Top

Class: Unmanned

Type: Tug

Model: NR-1015

Naval Construction Contract: 4300

Number Proposed: 50

Number Constructed: 62

Number Lost: 49

Manufacturer:

Overall Dimensions (Meters)

Length: 174.4 m

Width: 4.1 m

Height: 53.94 m

Primary Hull Dimensions (Meters)

Length: 80.04 m

Width: 4.1 m

Height: 17.04 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.8 m

Width: 8.4 m

Height: 18.12 m

Displacement (Metric Tons)

Light: 262 m

Standard: 74.81 m

Full Load: 27,155 m

### Performance

Impulse Thrust (Newtons) (R166E/G-PG)

Impulse Engine Output: 8x10<sup>10</sup> W

Impulse Power Index: 0.32

Max. Cruising: 7

Acceleration Rate:

0.00-0.25 Impulse: 0.245 sec

0.25-0.50 Impulse: 0.350 sec

0.50-0.75 Impulse: 0.40 sec

0.75 Full Impulse: 0.5 sec

Warp Units: 4 Nuclear Reactors (SW52M-SRF)

Warp Engine Output: 2x10<sup>11</sup> W

Warp Power Index: 0.82

Optimum Speed: 8

Max. Safe Cruising: 8

Submersible Speed: 8

Max. Speed: 9.5

Destructive Speed: 8.75

Acceleration Power: 3

Acceleration Times:

Warp 1: Warp 2: 0.25 sec

Warp 2: Warp 3: 0.30 sec

Warp 3: Warp 4: 0.40 sec

Warp 4: Warp 5: 0.50 sec

Warp 5: Warp 6: 0.70 sec

Warp 6: Warp 7: 0.80 sec

Warp 7: Warp 8: 0.90 sec

Warp 8: Warp 9: 1.1 sec

Warp 9: Warp 10: 1.5 sec

Warp 10: Warp 11: 2.0 sec

Warp 11: Warp 12: 2.5 sec

Standard: 0.5 sec

Maximum: 1.5 sec

Std. Ship Complement: 400

Crew: 60

Crew (Designated): 407

Stunners: 0

Passengers: 30

Emergency condition: 0.5 sec

Medical Facilities:

Doctors: 4

Medical Staff:

Operating Rooms: 2

Beds: 0

Laboratories: 10

Transporters Total:

1 Person:

2 Person: 0

3 Person: 1

12 Person: 0

22 Person: 4

Small Cargo:

Medium Cargo:

Large Cargo:

Super Cargo: 0

Groups:

Engineering: 18

Medical: 10

Tech: 10

Warp: 10

Large: 10

Small: 10

Medium: 10

Large: 10

Small: 10

Medium: 10

Large: 10

Small: 10

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Small: 10

Medium: 10

Large: 10

Small: 10

Medium: 10

Large: 10

Small: 10

Medium: 10

Large: 10

RTM Index: 1.12

Shield Rating:

Shield Index: 0.20

Shield Power: 2x10<sup>10</sup> W

Shield Rate: 3.75 m/s

Shield Rate: 4.5x10<sup>10</sup> W

Shield Dimensions (Meters)

Length: 157 m

Width: 2.0 m

Height: 95.5 m

Weapons:

Phaser Power Index: 1.01

Phaser Power Index: 0.00

Phaser Power Index: 0.01

Weapons (Meters)

Beam (Phaser) Total: 8 beams 2 each

Output: 1x10<sup>10</sup> W 2x10<sup>10</sup> W

Range: 2x10<sup>10</sup> m

Rate of Fire: 30 beams/Sec

Forward Beams: 2

Starboard Beams: 0

Port Beams: 2

Starboard Beams: 2

Upper Beams: 0

Lower Beams: 0

Beam (Range/Power) Total: 2

Output: 1x10<sup>10</sup> W 2x10<sup>10</sup> W

Range: 1x10<sup>10</sup> m

Rate of Fire: 15 beams/Sec

Forward/Starboard Beams: 2

Port/Starboard Beams: 0

Upper/Lower Beams: 0

Weapons (Phaser) Total: 4 Beams

Beam: 20

Range: 2x10<sup>10</sup> m

Output: 10.50 MW

Rate of Fire: 0 beams/Sec

Forward Bay: 1

Port Bay: 0

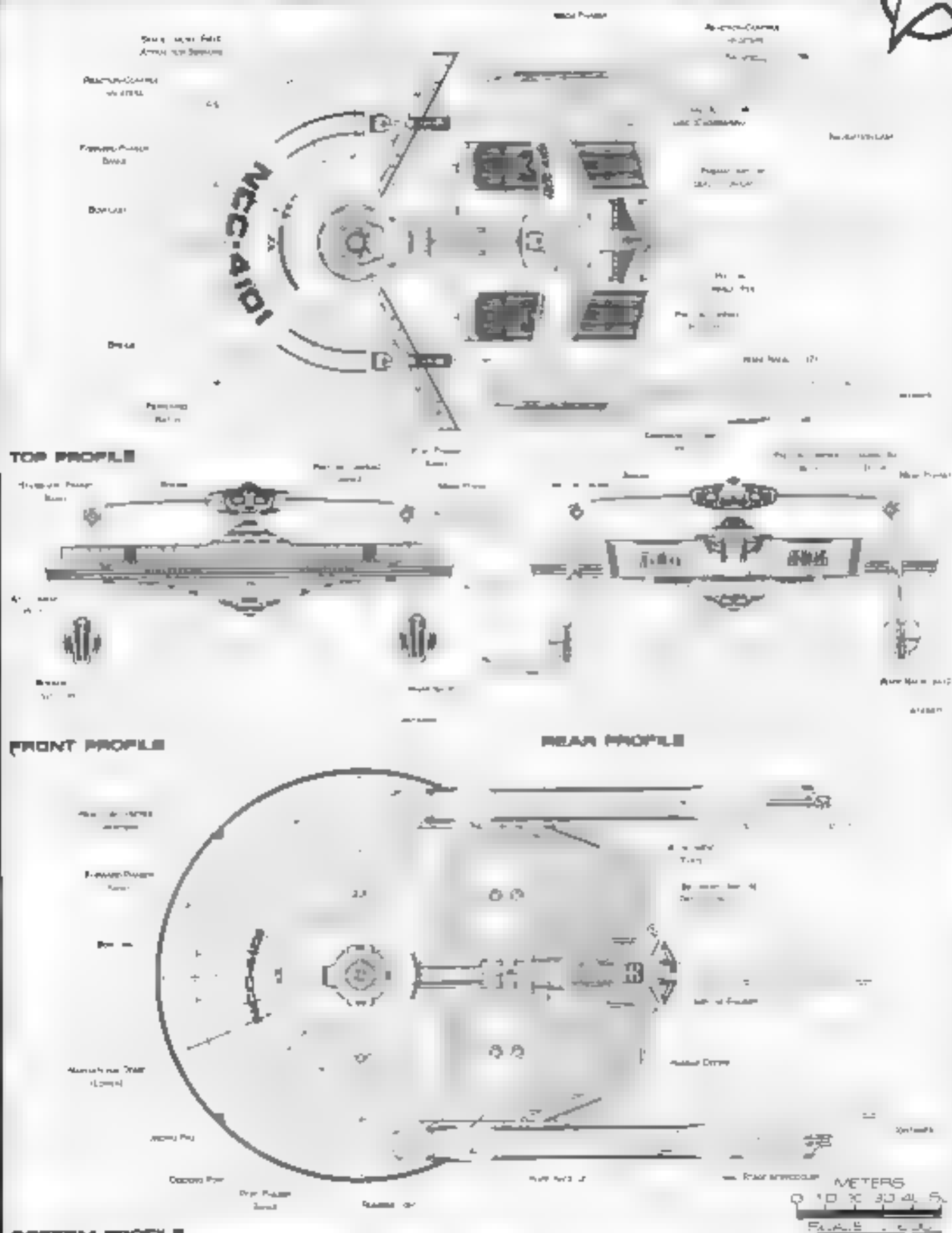
Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

FEDERATION VESSEL

## ASSAULT TRANSPORT / TUG







# HEAVY TRANSPORT / TUG



## General Information

**Specific Role:** The ever increasing tonnage of equipment and supplies called for the design of a heavier transport of vessel. The Heavy Transport/Tug's internal arrangement allows additional passenger accommodations and even a few staterooms. Although slower than the Transport/Tug, the Heavy's capacity has doubled while maintaining the same power consumption. The tug is able to carry up to six containers by quadrupling its warp field to cover the additional dimensions but with a reduction of top speed. The tug is also equipped with a heavy duty tractor beam designed for extreme range and tonnage.

**Physical Description:** The Transport/Tug incorporates an M147/W T21 extended primary hull equipped which provides additional passenger accommodations. The primary hull is equipped with the RS9/1-165 bridge that contains additional navigation stations and multiple point manipulation instrumentation. Mounted on the underside of the primary hull is the integrated SM44-450 main sensor array and 2x4 2 T1 navigation dome oriented on the port starboard and bow of the primary hull. Both top and bottom are six BS2-10-201 power banks. Port and starboard on the upper primary hull forward of the raised excelsior are the (1-N2/1-5-2) navigation dials or spare energy field activation sensors used to assist the navigation shields in deflecting incoming debris and monitor spare energy fields. Mounted on the rear of the primary hull are (1-MSF/5-MN) dual impulse units which are used for auxiliary power and sub-light propulsion. Situated on the rear of the primary hull on the starboard side of the impulse engines is a fixed ammonia gas deck. The vessels warp fields are generated by two (SW-5-2-50) warp nacelles attached to the primary hull as well as 25 600 support thrusters. W-Bio the primary hull are the (M2K-4-2Y) oxygen chamber and AMB-10-450 matter antimatter storage tanks. The matter antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency propulsion. Below the primary hull are two (AFT-T-1) container attachment points connected by two (1-1-1) AFT connecting toruses. In the event of an emergency the primary hull can separate from the if not and the warp nacelles and proceed on the remaining nacelle or impulse power.

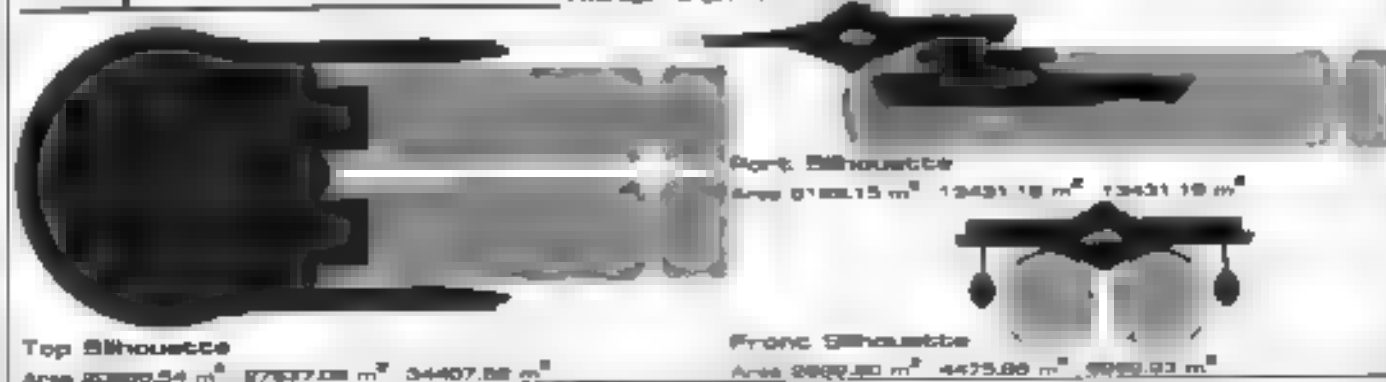
For additional detail refer to DataSheet MVA-3

## Class Emblem



## Ship Silhouettes

Total Target Area 22975.05 m<sup>2</sup> 22244.12 m<sup>2</sup> 24107.74 m<sup>2</sup>  
Average Target Area 2009.50 m<sup>2</sup> 18181.37 m<sup>2</sup> 18028.91 m<sup>2</sup>



**Top Silhouette**  
Area 22975.05 m<sup>2</sup> 22244.12 m<sup>2</sup> 24107.74 m<sup>2</sup>

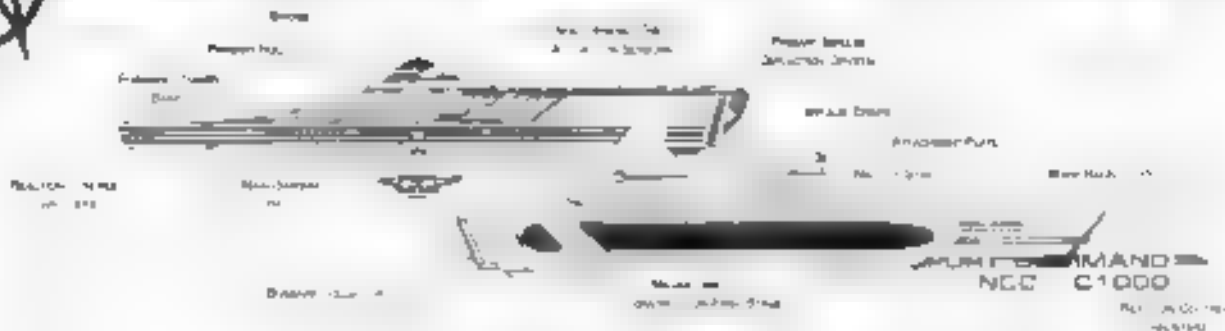
**Front Silhouette**  
Area 22975.05 m<sup>2</sup> 22244.12 m<sup>2</sup> 24107.74 m<sup>2</sup>

SRMA-1 05:05:02:01



# HEAVY TRANSPORT / TUG

HENSLEY CLASS



## PORT PROFILE



## CROSS SECTION

## Statistics

Classification: Heavy Transport

Category: Heavy Transport

Type: Heavy Transport

Model: HNS-1

First Construction Cost: 4,500

Number Produced: 1

Number in Service: 1

Number Lost: 0

Dimensions:

Overall Dimensions (Meters):

Length: 110.0

Width: 20.0

Height: 40.0

Primary Hull Dimensions (Meters):

Length: 110.0

Width: 20.0

Height: 40.0

Secondary Hull Dimensions (Meters):

Length: 110.0

Width: 20.0

Height: 40.0

Warp Core Dimensions (Meters):

Length: 110.0

Width: 20.0

Height: 40.0

Displacement (Metric Tons):

Light: 1,000

Standard: 1,000

Full Load: 1,000

Performance:

Impulse Units: 100 (100,000,000)

Impulse Engine Output: 100

Impulse Power Index: 0.96

Max Cruising:

Acceleration Factor:

0.00-0.38 Impulse: 0.00 sec

0.39-0.50 Impulse: 0.10 sec

0.51-0.75 Impulse: 0.40 sec

0.76-1.00 Impulse: 1.00 sec

Warp Velts: 2.0-10.0 (10,000,000,000)

Warp Engine Output: 100

Warp Power Index: 1.00

Optimal Speed:

Max Safe Subling: 4

Emergency Speed: 4

Max Speed:

Disruptive Speed: 4.0

Acceleration Factor:

Warp 1 Warp 2 100 sec

Warp 3 Warp 4 100 sec

Warp 5 Warp 6 100 sec

Warp 7 Warp 8 100 sec

Warp 9 Warp 10 100 sec

Warp 11 Warp 12 100 sec

Warp 13 Warp 14 100 sec

Warp 15 Warp 16 100 sec

Warp 17 Warp 18 100 sec

Warp 19 Warp 20 100 sec

Warp 21 Warp 22 100 sec

Warp 23 Warp 24 100 sec

Warp 25 Warp 26 100 sec

Warp 27 Warp 28 100 sec

Warp 29 Warp 30 100 sec

Warp 31 Warp 32 100 sec

Warp 33 Warp 34 100 sec

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Warp 345 Warp 346 100 sec

Warp 347 Warp 348 100 sec

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Warp 355 Warp 356 100 sec

Warp 357 Warp 358 100 sec

Warp 359 Warp 360 100 sec

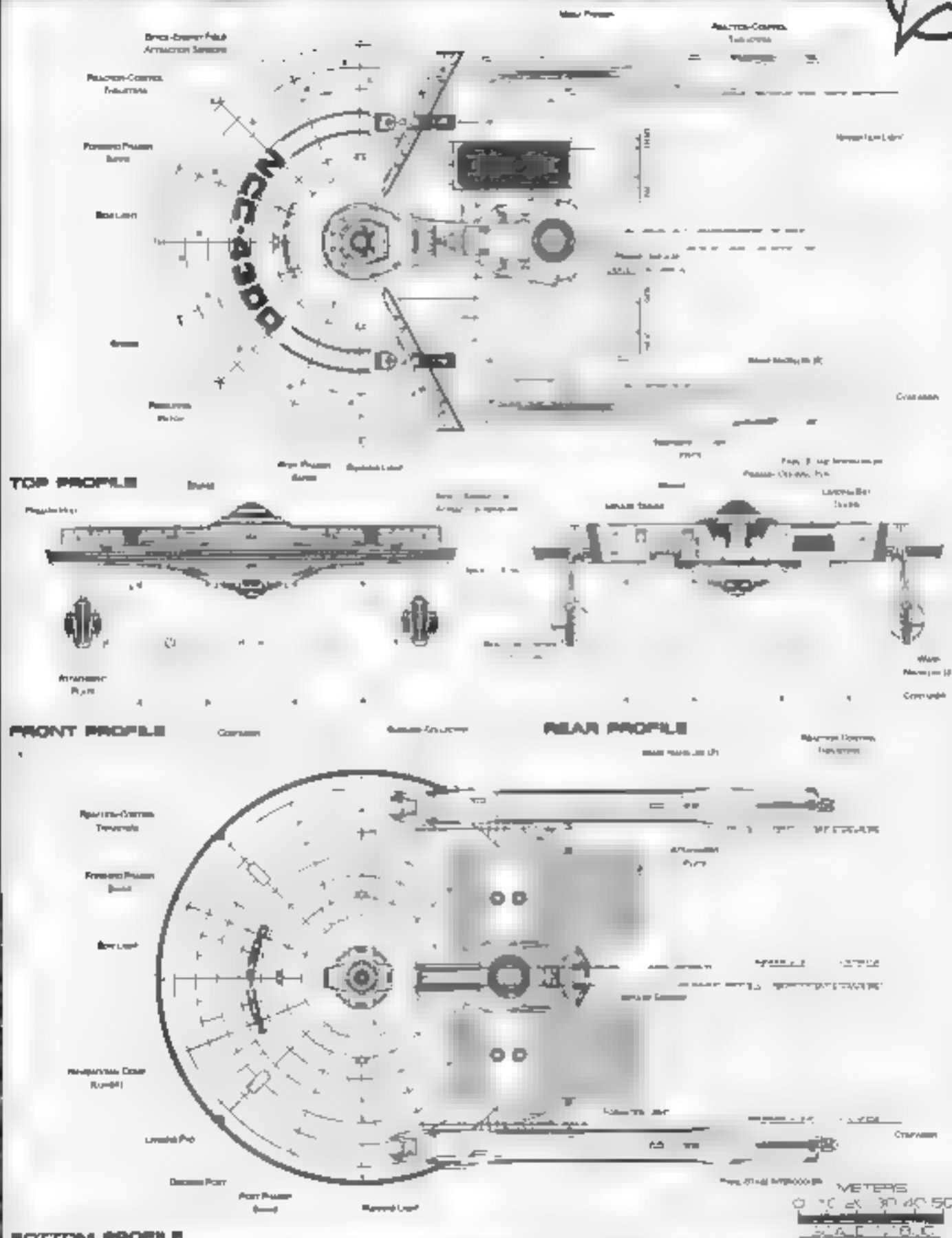
Warp 361 Warp 362 100 sec

Warp 363 Warp 364 100 sec

Warp 365 Warp 366 100 sec

W

# HEAVY TRANSPORT / TUG



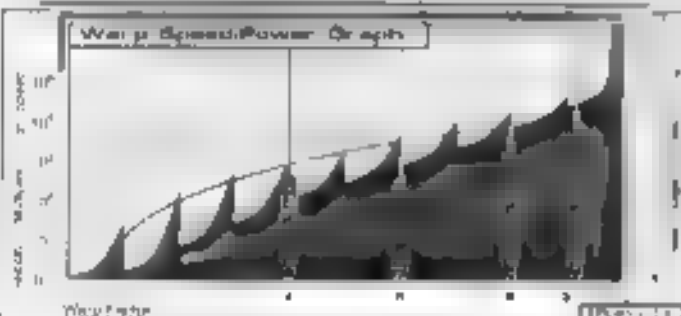
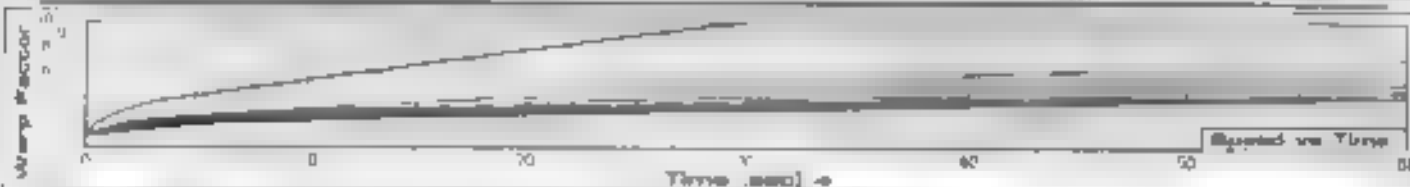
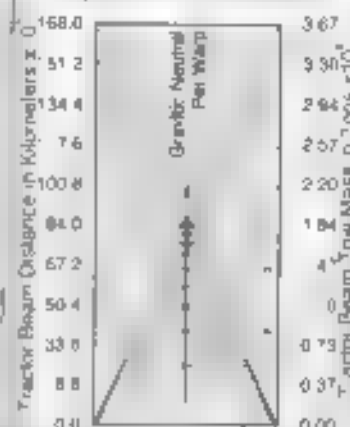


THE FOLLOWING SHIPS OF THE NK Vb CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2800.0

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AL 436KB MCC

CLASS SHIP. LOST IN THE LINE OF DUTY. THROUGHOUT ALL NAMES PRECEDED WITH U.S.S.-

### Primary T-jack Beam Load Calculation



1. *Chlorophyll a* (mg/g) 1.25 1.25 1.25  
 2. *Chlorophyll b* (mg/g) 0.50 0.50 0.50  
 3. *Chlorophyll c* (mg/g) 0.25 0.25 0.25



Front Warp Field Profile  
Cross Section Area: 14818.18 in<sup>2</sup>

Port Warp Field Profile  
Cross Section Area: 20481.36 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 80815.88 m<sup>2</sup>

# LIGHT TRANSPORT/TUG



## General Information

**Specific Role:** The Light Transport/Tug is of modular design and slightly resembles the Oberth class research vessel. The modular design is an attempt to reduce the vessel's overall construction and operational cost. A small number of passenger accommodations are located where the laboratories would be on the research vessel. The tug is able to carry up to two containers by manipulating its warp field to cover the additional containers but at a reduction of its top speed. The tug is also equipped with a heavy duty tractor beam designed for additional range and tonnage.

**Physical Description:** The Light Transport/Tug incorporates the (SH-03/F T1) hull which is equipped with additional passenger accommodations. The transport is equipped with a (BPS F-2) bridge that contains additional field manipulation instrumentation. On the lower part of the hull is the (SM 5-2) main sensor array and (DN2/1A) navigational dome. Positioned forward of the bridge is a (B'2 30-20) phaser bank. Stung underneath the primary hull by two (DT 30-5A) connecting drums is a (A'3 T-2) container at anchor plate. At the rear of the primary hull are (SR1 E/2 AC) dual impulse units which are used for auxiliary power and ship's warp propulsion. The vessel's warp fields are generated by two (S-14-20A) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20-2A) antenna chamber. Positioned at the rear of the hull for emergency jettisoning are the (AM3-15-2) main antimatter storage tanks. On the front of the hull is a small hangar deck. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional details refer to Datasheet MVA-1.

## Class Emblem



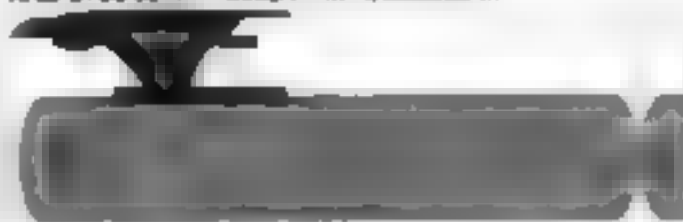
**FISHER CLASS  
LIGHT TRANSPORT TUG**

## Ship Silhouettes

Total Target Area 11801.83 m<sup>2</sup> 30778.80 m<sup>2</sup> 82108.34 m<sup>2</sup>  
Average Target Area 3867.94 m<sup>2</sup> 10259.67 m<sup>2</sup> 17708.11 m<sup>2</sup>



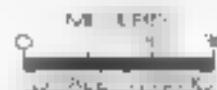
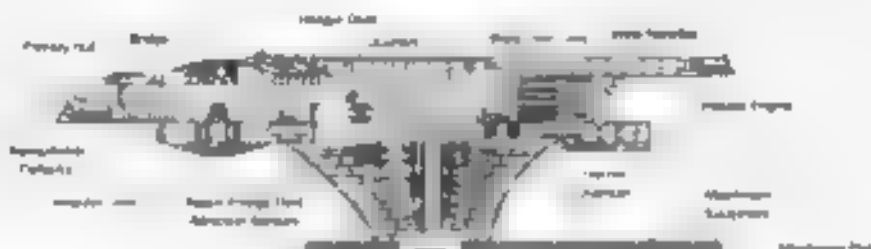
Top Silhouette  
Area 8765.90 m<sup>2</sup> 13445.71 m<sup>2</sup> 84808.82 m<sup>2</sup>



Port Silhouette  
6095.41 m<sup>2</sup> 10888.08 m<sup>2</sup> 84161.87 m<sup>2</sup>



Front Silhouette  
3348.4 m<sup>2</sup> 4348.14 m<sup>2</sup> 4348.14 m<sup>2</sup>



### CROSS SECTION

## Statistics

Classification: 1st Form: 000  
Category: warship  
Name: M300  
Type: submarine  
Model: 1500  
Rural Construction Contract: 000  
Number Proposed: 100  
Number constructed: 07  
Number in Service: 30  
Number lost:  
Dimensions  
Overall Dimensions (Submersed)  
Length: 110 m  
Width: 8.0 m  
Height: 10.5 m  
Primary Hull Dimensions (Submersed)  
Length: 100 m  
Width: 8.0 m  
Height: -  
Secondary Hull Dimensions (Submersed)  
Length: 4.0  
Width: 0.4  
Height: 0.2  
Warp Hull Dimensions (Submersed)  
Length: 10.0 m  
Width: 0.4 m  
Height: 0.2 m  
Displacement Electric Torpedo  
Weight: 0.000 m  
Standard: 0.000 m  
Fuel Load: 0.000 m  
Performance  
Impulse Units: 0.000 m/s  
Impulse Engine Output: 0.000 m/s  
Impulse Power Input: 0.000 m/s  
Max Cruising: 0  
Acceleration Rate  
0.000-0.000 Impulse: 0.000 sec  
0.000-0.000 Impulse: 0.000 sec  
0.000-0.000 Impulse: 0.000 sec  
0.000-0.000 Impulse: 0.000 sec  
Warp Units: 0.000 m/s  
Warp Engine Output: 0.000 m/s  
Warp Power Input: 0.000 m/s

Optimum Speed 4			
Max Safe Cranking 5			
Emergency Speed			
Star Speed 4			
Descent-to-Speed 1.5			
Acceleration Power 1			
Acceleration Times			
Warp 1	Warp 2	0.47 sec	
Warp 2	Warp 3	0.41 sec	
Warp 3	Warp 4	0.39 sec	
Warp 4	Warp 5	0.41 sec	
Warp 5	Warp 6	0.46 sec	
Warp 6	Warp 7	0.5 sec	
Warp 7	Warp 8	0.56 sec	
Warp 8	Warp 9	0.64 sec	
Warp 9	Warp 10	0.74 sec	
Warp 10	Warp 11	0.87 sec	
Warp 11	Warp 12	1.0 sec	

(Duration: 7 years)  
Standard : 444  
Maximum : 16 years

1st Airborne Commando: 20  
 Officers 7  
 Crew (Signal) 42  
 Troops 5  
 Paratroopers 6  
 (Source: *South African Army*)

**Medical Fertility  
Therapy:  
Medical Staff 3  
Operating Room  
Suite 5**

Transporters Used:  
1 Person:  
2 Person: 1  
3 Person: 0  
12 Person: 0  
32 Person: 0  
Small Cargo: 0  
Mid-Size Cargo: 0  
Large Cargo: 0  
Heavy Cargo: 0

Design  
 Materials  
 Traffic Pattern  
 Low capacity  
 High Capacity

Cargos Super-Electric  
 Inexpensive Cargos Electric 70  
 Cargos Cargos by 4. 17  
 Silver 18-1917 Hyper-Cellular  
 Dye 18-1917

Small Bay  
 Medium Bay  
 Large Bay  
 Super Bay

Whittierwall Portland, 18  
Work Book: 1  
Travel Public: 1  
Aquatic Chamber  
Light Station

Standard Monitor  
Heavy Shuttle  
Cargo Shuttle  
Assault Shuttle &  
Gunner Room

Light Fighter 2  
Fighter  
Heavy Fighter 2  
Laborator  
Parade 10 personal 5  
2000-2001

Lifeboat 10 persons  
 Lifeboat 20 persons  
 Lifeboat 30 persons  
 Climbing Exports  
 Human Index Value

Studio Party	86
Short Knight	70
Long Knight	60
Navigation	2
Search	34

†Type Daystream Disturbed  
Type Daystream Disturbed

GRM Index 17  
 Abbrev. Naming  
 White Lake 40 60  
 White Lake 40 60 10 10 10 10  
 White Lake 40 60 10 10 10 10  
 White Lake 40 60 10 10 10 10  
 Length 4. 7  
 Width 2. 7  
 Depth 4. 7

Weapon
Power Pistol Index
Pistol Power Index
Weapon Power Index
Weapon Placement

Name (Planned) Total: 7 books 2 sold  
 Output 5.10  $\Delta \leq 50$  1' 4'  
 Range  $\leq 2$  4'  
 Rate of Flow 30 cent/cm  
 Forward Books 1

Base Bank: 0  
Port Bank:  
Stacked Bank: 4  
Type Bank: 0  
Lower Bank: 0

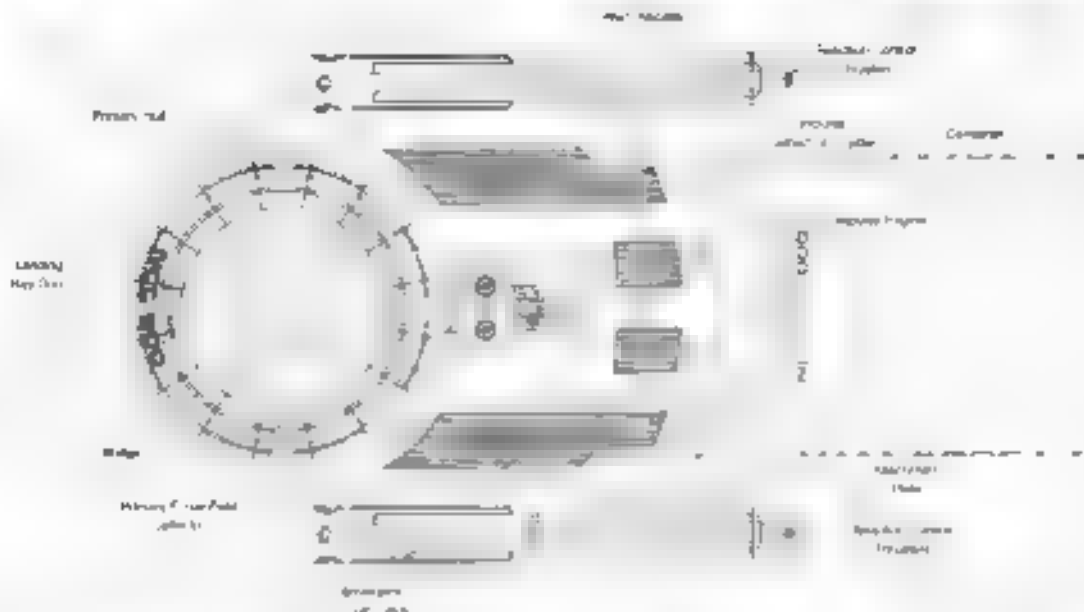
Status: ☐ Pending  
 Outgoing: ☐ N/A  
 Range: ☐ N/A  
 Rate of Fire: ☐ 4/4  
 Forward/Back Stance: ☐ 0

Part 'Macward Books: 0  
Type/Letter Books: 0  
Type-days (Phonetic) Total: N/A  
Stork: N/A  
Example: N/A  
Page: 111

Outlets: N/A  
 Rate of Fire: N/A  
 Forward Bay: C  
 Rear Bay: D  
 Port Bay: C  
 Starboard Bay: C

Upper Bay 0  
Lower Bay 0

# LIGHT TRANSPORT / TUG

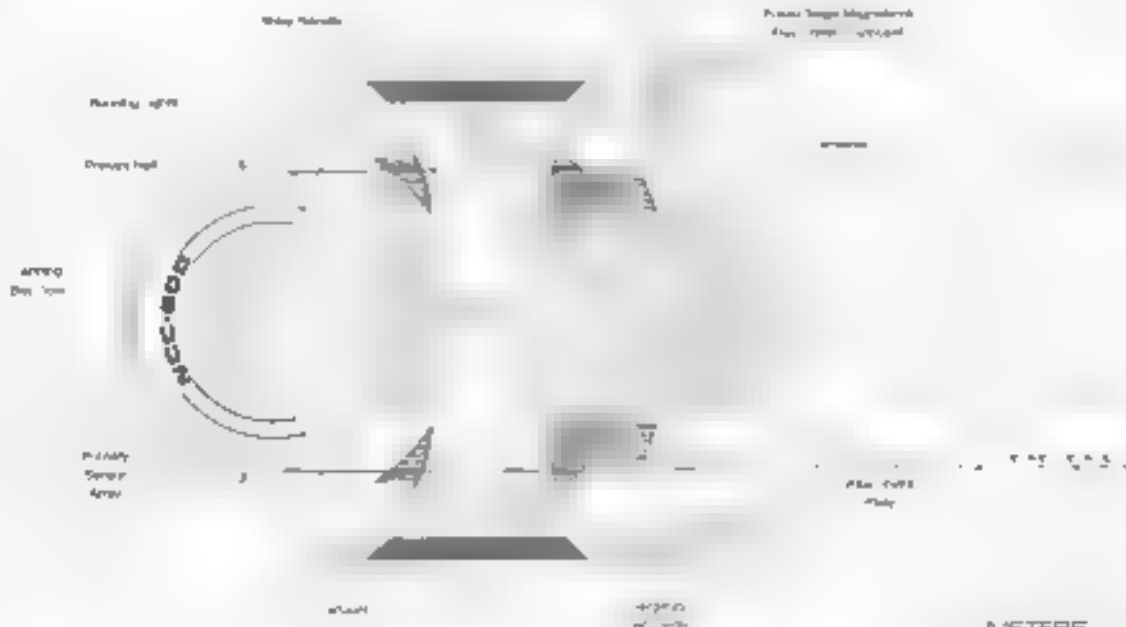


TOP PROFILE

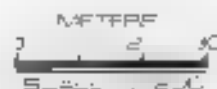


FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE





## LIGHT TRANSPORT / TUG

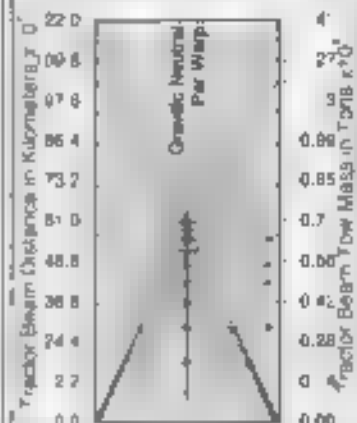
## Ship Names

THE FOLLOWING SHIPS OF THE MK2-L CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 8887.5

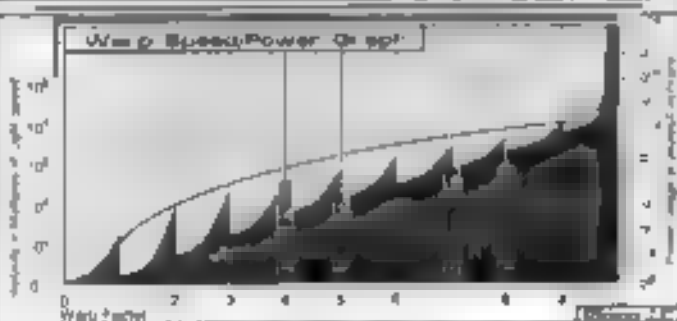
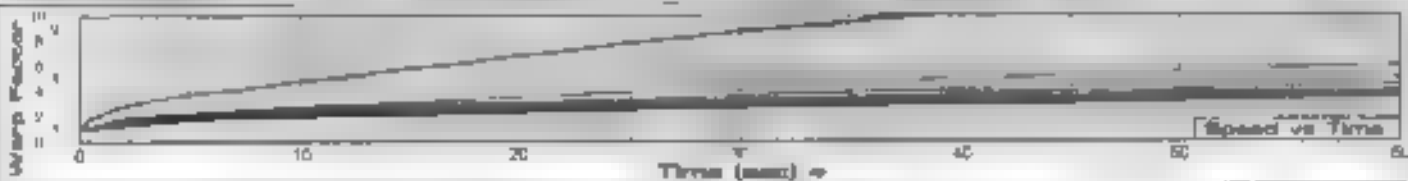
[illegible][illegible][illegible][illegible]

## Tractor Beam Specifications

### Primary Tractor Beam Load Calculator



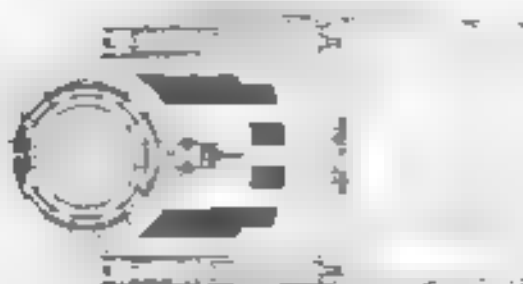
CLASH SHIP, LOST IN THE WOE OF CLAY, PROVED. ALL NAMES ENCLOSED WITH THE



Phone: 408/255-1111 ext. 3100  
 Fax: 408/255-1111 ext. 3100  
 Email: [info@hawaii.com](mailto:info@hawaii.com)



Front Warp Field Profile  
Gross Sewer Area 7087.87 m<sup>2</sup>

NAVSTAR FLEET TRANSPORT COMMAND  
NCC 21000

**Port Warp Field Profile**  
Cross Section Area: 21308.48 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 23000.00 m<sup>2</sup>



## TRANSPORT//TUG



## General Information

**Specific Role:** The Transport/Tug is the Federation's most widely used supply line vessel. Starfleet depends upon the reliability of this vessel since it spends the least amount of time at any starship in port, even when compared to the busiest of military vessels. The Transport/Tug has additional staterooms to accommodate passengers. The tug is able to carry up to four containers by manipulating its warp field by as a reduction of top speed. The tug is also equipped with a heavy-duty tractor beam designed for extra range and strength.

**Physical Description:** The Transport's (P1114770-13) primary hull contains additional passenger accommodations and a small hangar deck located on the upper starboard side. The primary hull is equipped with the VLS-17-151 bridge containing additional navigation and field manipulation instrumentation. On the lower part of the primary hull is the SM-19-2A main sensor array and (B)N-21 sensor dome. Located on the port starboard side of the primary hull (both top and bottom) are six (B)P-18-21 phaser banks. To the rear of the primary hull are (J)B-35H-4 JW dual impulse jets which are used for a primary power and sub-warp propulsion. The vessel's warp fields are generated by two SW-547-5470 warp nacelles attached to the primary hull by (J)B-15-164 support pylons. Attached below the primary hull by the (J)B-51-184 connecting dorsals is a (J)M-17-18 transporter at a lower plane. Located inside the dorsal for emergency jet seating are the (M)P-18-2E intercombiner and (J)M-18-41 matter/antimatter storage tanks. Located between the dorsals and the arching plane is a forward wing (J)P-15-25-01 photon torpedo bay. In the event of an emergency, one or both nacelles can be jettisoned. Once separated, the primary hull can maneuver on the remaining warp nacelle at impulse power for extended periods of time.

For additional details, refer to Data Sheet MVA-2.

## Class Emblem



## Ship Silhouettes





**CROSS REFERENCES**

## Statistics

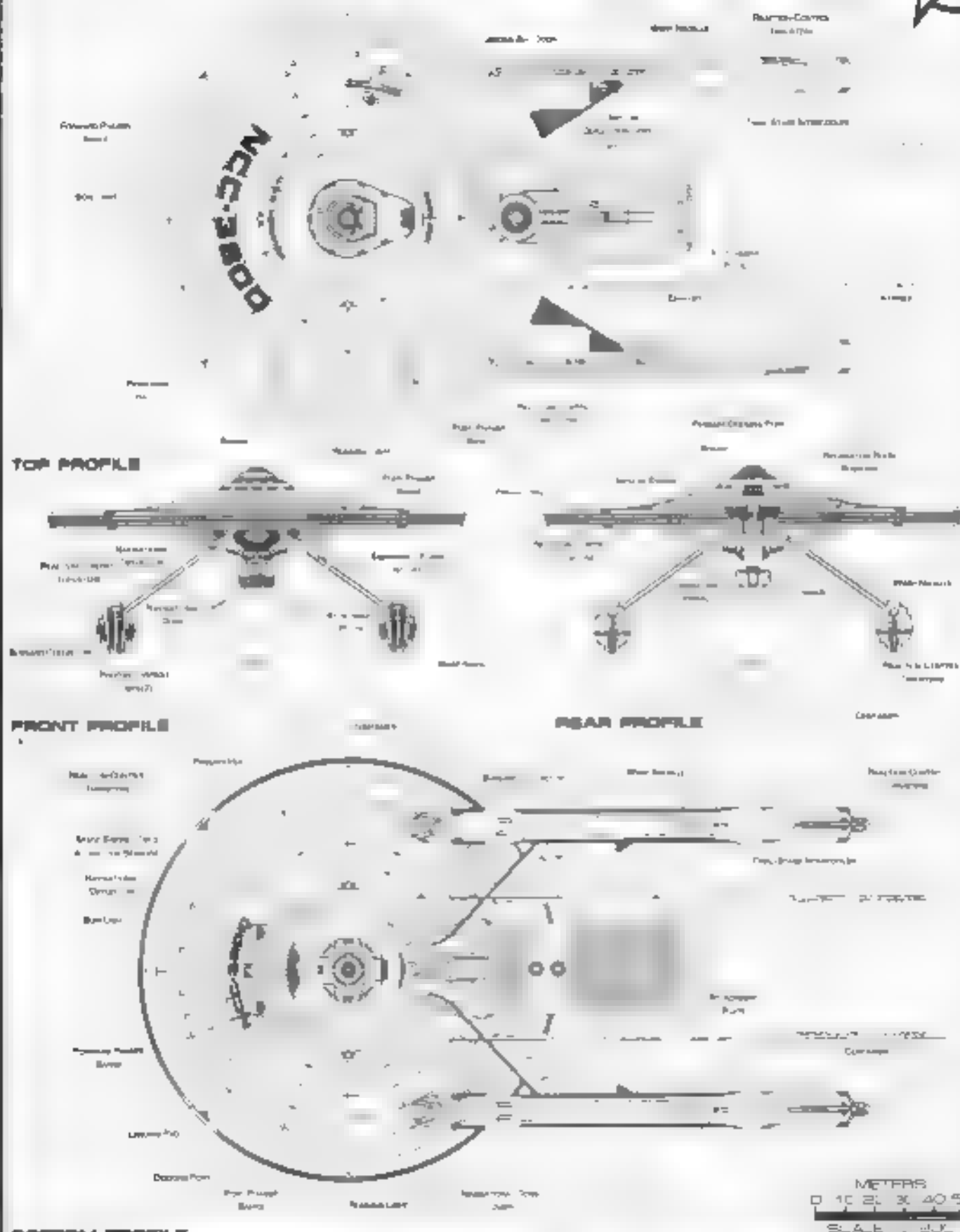
[illegible]

Aquatic Wildlife  
Light Fighter  
Imagined Wildlife  
Heavy Wildlife  
Cargo Wildlife  
Assault Wildlife  
River Drive  
Light Fighter 7  
Fighter  
Heavy Fighter  
Lifeboats 2

\* Available by purchase. 10  
Lifeguard 10 persons  
Lifeboat 20 persons  
Lifeboat 30 persons; 2

Choking Device  
 Brower 14000 Valve  
 Pigeon 177 Survey  
 Weather Survey 02  
 Wheel Range 24  
 Long Range 02  
 Navigation  
 Special 24  
 Cells 0000  
 Type Darysion Dendron  
 From Dendron Dendron

Weapon:  
Flamethrower: Index 11  
Machine Pistol: Index 11 (X)  
Weapon Power: Index 11 (X)  
Weapon Placement:  
Weapon (Flamethrower) Total: 11 (X) 2 (X)  
Output: 11 (X) 11 (X) 11 (X) 11 (X)  
Range: 11 (X) 11 (X)  
Rate of Fire: 11 (X) 11 (X)  
Forward Banks: 11 (X)  
Starboard Banks: 11 (X)  
Port Banks: 11 (X)  
Starboard Banks: 11 (X)  
Upper Banks: 11 (X)  
Lower Banks: 11 (X)  
Weapon (Machine Pistol) Total: 11 (X)  
Output: 11 (X) 11 (X)  
Range: 11 (X) 11 (X)  
Rate of Fire: 11 (X) 11 (X)  
Forward/Starboard Banks: 11 (X)  
Port/Starboard Banks: 11 (X)  
Upper/Lower Banks: 11 (X)  
Weapon (Machine Pistol) Total: 11 (X)  
Output: 11 (X) 11 (X)  
Range: 11 (X) 11 (X)  
Rate of Fire: 11 (X) 11 (X)  
Forward Bay: 11 (X)  
Starboard Bay: 11 (X)  
Port Bay: 11 (X)  
Starboard Bay: 11 (X)  
Upper Bay: 11 (X)  
Lower Bay: 11 (X)





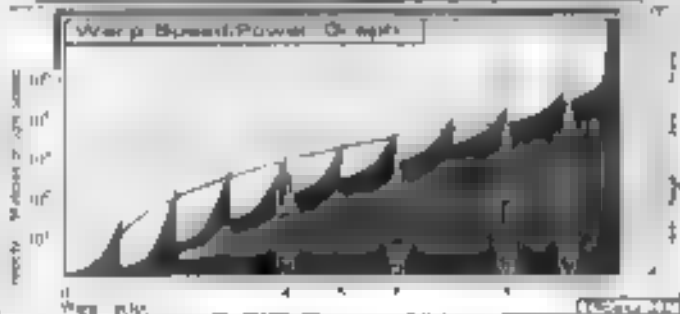
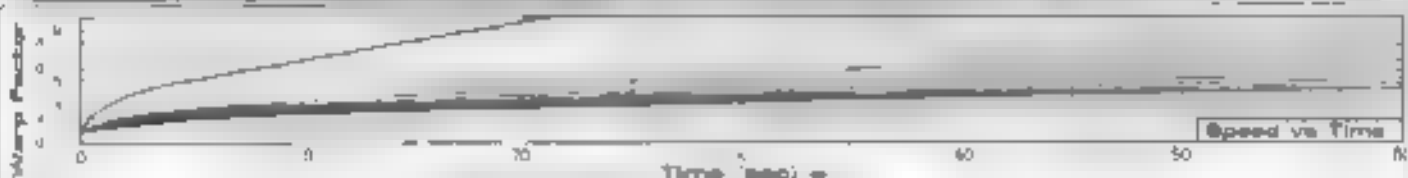
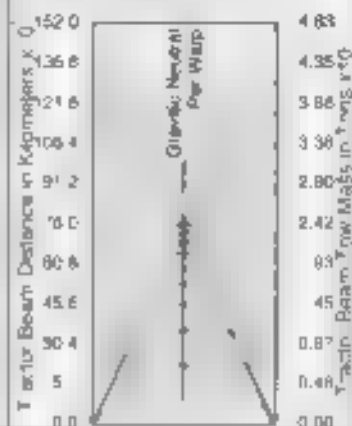
## Ship Names

## Tractor Beam Specifications

Primary Tractor Beam Longitudinally

[illegible]

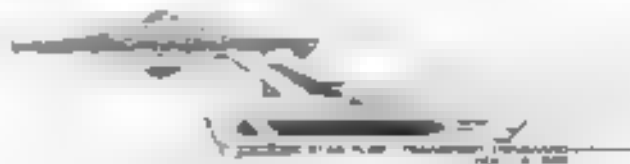
CLARK, R-2C, LOST IN THE LINE OF DUTY. STOPPED ALL VANDER STOCKED WITH 312.2+



Female Length 476.0mm  
 Female Weight 150.54g  
 Female Fatness 103.0mm



Front Warp Field Profile  
Cross Section Area 18772.34 m<sup>2</sup>

Port: Warp Field Profile  
Cross Section Area 35078.85 m<sup>2</sup>

Top Warp Field Profile  
Cross Section Area 22625.22 m<sup>2</sup>

## LIQUID CONTAINER



## Statistics

Classification: Container

Category: Liquid Container

Type: Tank

Model: LK

Manufacturer:

Overall Dimensions (Minimum)

Length: 27.1m

Width: 48.0m

Height: 48.0m

Designations (Metric Tonnage)

Standard: 4000t

Full Load: 5000t

Durability (Years)

Standard: 15 Years

Maximum: 20 Years

Red: Operational Capabilities: 0

Offense: 0

Cover (Shielding) (Shield)

Passenger: 0

Emergency Ejection: 0

Medical Facilities:

Doctors: 0

Nurses: 0

Operating Rooms: 0

Beds: 0

Transportation Tonnage:

Person: 0

Small Cargo: 0

Medium Cargo: 0

Large Cargo: 0

Heavy Cargo: 0

Trailer Bays: 0

Tonnage Capacity: N/A

Max Range: N/A

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: 17, 19, 21 m³

Deck Height: 4.4m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 0

Small Bay: 0

Medium Bay: 0

Large Bay: 0

Heavy Bay: 0

Shuttlecraft Standard:

Work Space: 0

Travel Pods: 0

Light Shuttle: 0

Aquatic Shuttle: 0

Shuttle Standard: 0

Heavy Shuttle: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats:

Torpedo (40 persons): 4

Lifeboat (10 persons): 0

Lifeboat (20 persons): 0

Lifeboat (30 persons): 0

Decking Rings:

Support (Input) Values:

Planetary Surface: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers:

Type: Daystrom Duplex B

Shield Rating:

Bolted Power: 0.2429

Bolted Rate: 0.416

Shield Dimensions (Minimum)

Length: 282.01m

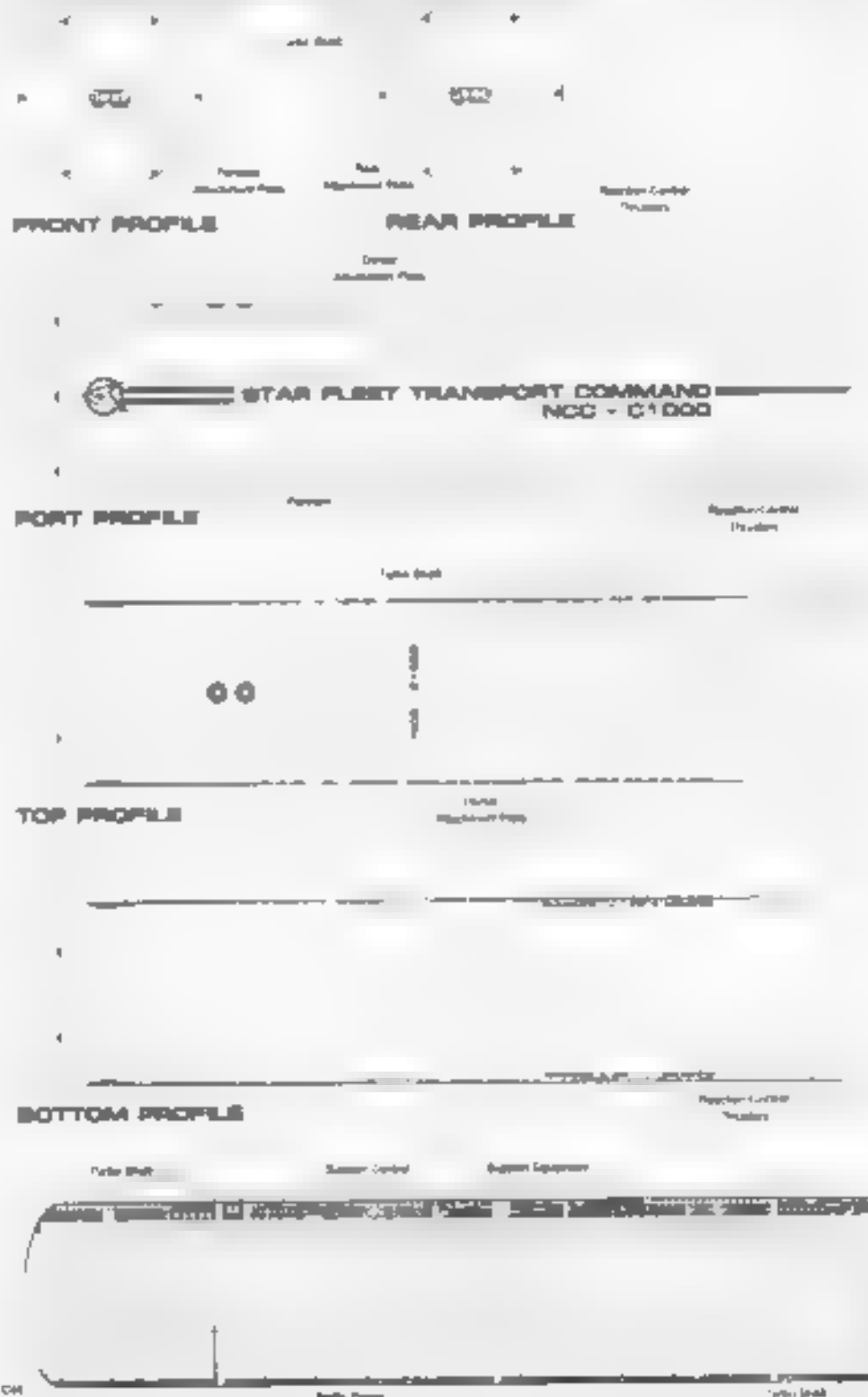
Width: 5.6m

Height: 57.6m

## General Information

The Liquid Container is used for the transportation of large amounts of liquid materials. The container is equipped with 62 separate baffled compartments which allows the transportation of different liquids in the same container.

For additional detail refer to Datasheet MVC 1



METERS  
0 10 20 30 40 50

Level 0M

CROSS SECTION

Level 0M

Level 0M

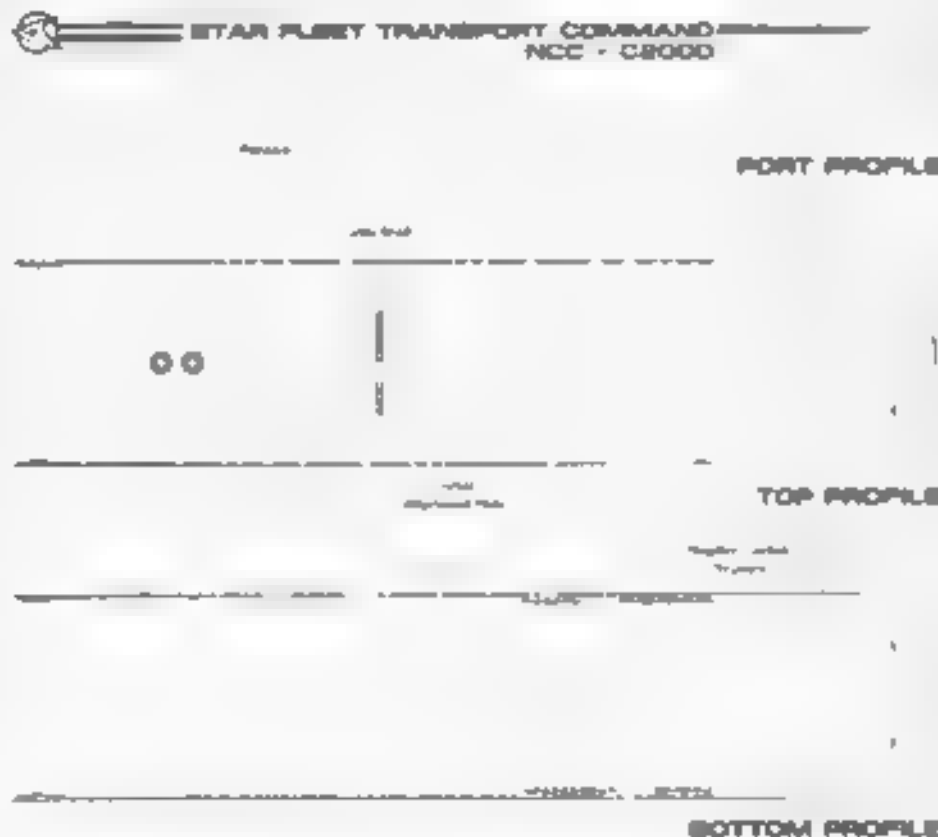


**DRY BULK CONTAINER**

## General Information

The Dry Bulk Container is used for the transportation of large amounts of material such as ore and grain. The container is equipped with 54 separate compartments, thus allows the transportation of different materials in the same container.

For additional detail, refer to Datasheet MVC-1



## Statistics

**Classification:** *Corynor*  
**Category:** IV Sub-Category  
**Type:** *ass*  
**Model:** MK-R  
**Dimensions:**  
*Overall Dimensions (Metric)*  
 Length: 235.05m  
 Width: 45.00m  
 Height: 48.00m  
*Displacement (Metric Tons)*  
 Standard: 9.4m  
 Full Load: 337.742m  
**Duration (Years)**  
 Standard: 0 Years  
 Maximum: 22 Years  
**NA Container Compartment:** 0  
**Officers:** 0  
**Crew (Rating Grade):** 0  
**Passengers:** 1  
**Emergency condition:** 0  
**Medical Facilities:**  
 Doctors: 0  
 Nurses: 0  
 Operating Rooms: 0  
 Beds: 0  
**Typographic Text:** 0  
 1 Paragraph 0  
 2 Paragraph 0  
 4 Paragraph 0  
 11 Paragraph 0  
 23 Paragraph 0  
 Small Carga: 0  
 Medium Carga: 4  
 Large Carga: 0  
 Super Carga: 0  
 Mega Carga: 0  
**Traffic Volume:** 0  
 Two Capacity: NA  
 Max. Range: NA  
**Cargo Space:** 41000  
 Standard Cargo Units: NA  
 Cargo Capacity: 3/4 100 2m<sup>3</sup>  
 Deck Height: 2.4 10 2m  
**Storage/Retrieval Space:**  
 Standard Bay Type Total: 0  
 Small Bay: 0  
 Medium Bay: 0  
 Large Bay: 0  
 Super Bay: 0  
**Standard Equipment:** 0  
 Work Area: 0  
 EQUIPMENT: 0  
 Light Fixture: 0  
 Aquatic Fixture: 0  
 Office Standard: 0  
 Heavy Fixture: 0  
 Fighter  
 Heavy Fighter: 0  
 Lifesaver: 4  
 Turbine (in person): 4  
 Lifesaver: 10 person: 0  
 Lifesaver: 100 person: 0  
 Lifesaver: 130 person: 0  
**Docking Stage**  
**General Input Values:**  
 Flare Range: 0.020  
 Short Range: 0.020  
 Long Range: 0.020  
 Navigation: 0.020  
 Special: 0.020  
**Comments:**  
 Type: Chivalry Duplication: 0  
**Weight Rating:**  
 Handed Power: 2.26E  
 Handed Rate: 2.21E7  
**Standard Dimensions (Metric)**  
 Length: 282.01m  
 Width: 57.0m  
 Height: 57.0m

ME + E b/c

17 20 30 40 50

Age Group	Percentage
18-24	10%
25-34	20%
35-44	25%
45-54	20%
55-64	15%
65-74	10%
75-84	5%
85+	5%

## REEFERS CONTAINER



## Statistics General Information

Classification: 04504  
 Category: Reefers Container  
 Type: J5  
 Model: MC-11  
 Dimensions:  
 Overall Dimensions (Metric)  
 Length: 15.0m  
 Width: 4.0m  
 Height: 4.0m  
 Displacement (Metric Tons)  
 Standard: 15.0m  
 Full Load: 30.0m  
 Duration (Year)  
 Standard: 1000  
 Maximum: 1000  
 64 Computer Components: 0  
 Offices:  
 Crew (Kings Grade): 4  
 Passenger:  
 Supplied condition: 0  
 Medical Facilities:  
 Doctors: 4  
 Nurses: 0  
 Operating Rooms: 0  
 Beds:  
 Transporters Total: 4  
 1 Person: 0  
 2 Person: 0  
 3 Person: 0  
 12 Person: 0  
 22 Person: 0  
 Small Cargo: 0  
 Medium Cargo: 4  
 Large Cargo: 0  
 Super Cargo: 0  
 Mega Cargo: 0  
 Transfer Bays: 0  
 Tow: 0  
 Max Range: 100  
 Cargo Specifications:  
 Standard Cargo Units: 100  
 Cargo Capacity: 100 m  
 Deck Height: 4.0m  
 Shuttlecraft Specifications:  
 Shuttlecraft Bays Total: 0  
 Small Bay: 0  
 Medium Bay: 0  
 Large Bay: 0  
 Super Bay: 0  
 Shuttlecraft Standard: 0  
 Work Area: 0  
 Travel Pods: 0  
 Light Shuttle: 0  
 Aquatic Shuttle: 0  
 Shuttle Standard: 0  
 Heavy Shuttle: 0  
 Fighters: 0  
 Heavy Fighters: 0  
 Lifboats: 4  
 Lifboat (5 person): 4  
 Lifboat (10 person): 0  
 Lifboat (20 person): 0  
 Lifboat (30 person): 0  
 Decking Range:  
 Sensor Input Values:  
 Phasor Sensor: 0.020  
 Short Range: 0.0  
 Long Range: 0.0  
 Navigation: 0.020  
 Special: 0.020  
 Weapons:  
 Type: 0.020  
 Shield Rating:  
 Shield Power: 0.020  
 Shield Rate: 0.0  
 Shield Dimensions (Metric)  
 Length: 10.0m  
 Width: 6.0m  
 Height: 5.0m

The Reefers Container is used for the transportation of large amounts of materials that require special maintenance and transportation. The container is equipped with 500 separate climate controlled compartments.

For additional detail refer to Datasheet MVC 1



FRONT PROFILE

REAR PROFILE



STAR FLEET TRANSPORT COMMAND  
NCC 63000

PORT PROFILE

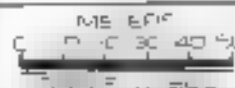
STAR FLEET TRANSPORT COMMAND

TOP PROFILE

BOTTOM PROFILE



CROSS SECTION





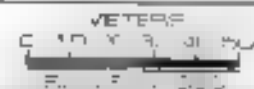
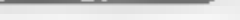






## General information

## Statistics



**Classification:** *carrier*  
**Category:** Assault Transport Carrier  
**Type:** LST 7  
**Model:** M1A1  
**Displacement:**  
**Overall Dimensions (Meters):**  
   Length: 31.50m  
   Width: 48.00m  
   Height: 48.00m  
**Displacement (Metric Tons):**  
   Standard: 2,000m  
   Full Load: 24,250m  
**Duration (Years):**  
   Standard: 10m  
   Maximum: 20 mts  
**304 - 40140000 Collocation(s):** 401  
   Officer: 0  
   Crew (Range Grade): 400  
   Passengers: 50  
   Engine/Generator: 2400  
**Medical Facilities:**  
   Beds: 20  
   Operating Rooms: 0  
   Beds: 0  
**Flight/Performance Data:**  
   1 Person: 0  
   2 Person: 0  
   3 Person: 0  
   4 Person: 0  
   5 Person: 0  
   6 Person: 0  
   7 Person: 0  
   8 Person: 0  
   9 Person: 0  
   10 Person: 0  
   11 Person: 0  
   12 Person: 0  
   13 Person: 0  
   14 Person: 0  
   15 Person: 0  
   16 Person: 0  
   17 Person: 0  
   18 Person: 0  
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## ENGINE REPAIR CONTAINER

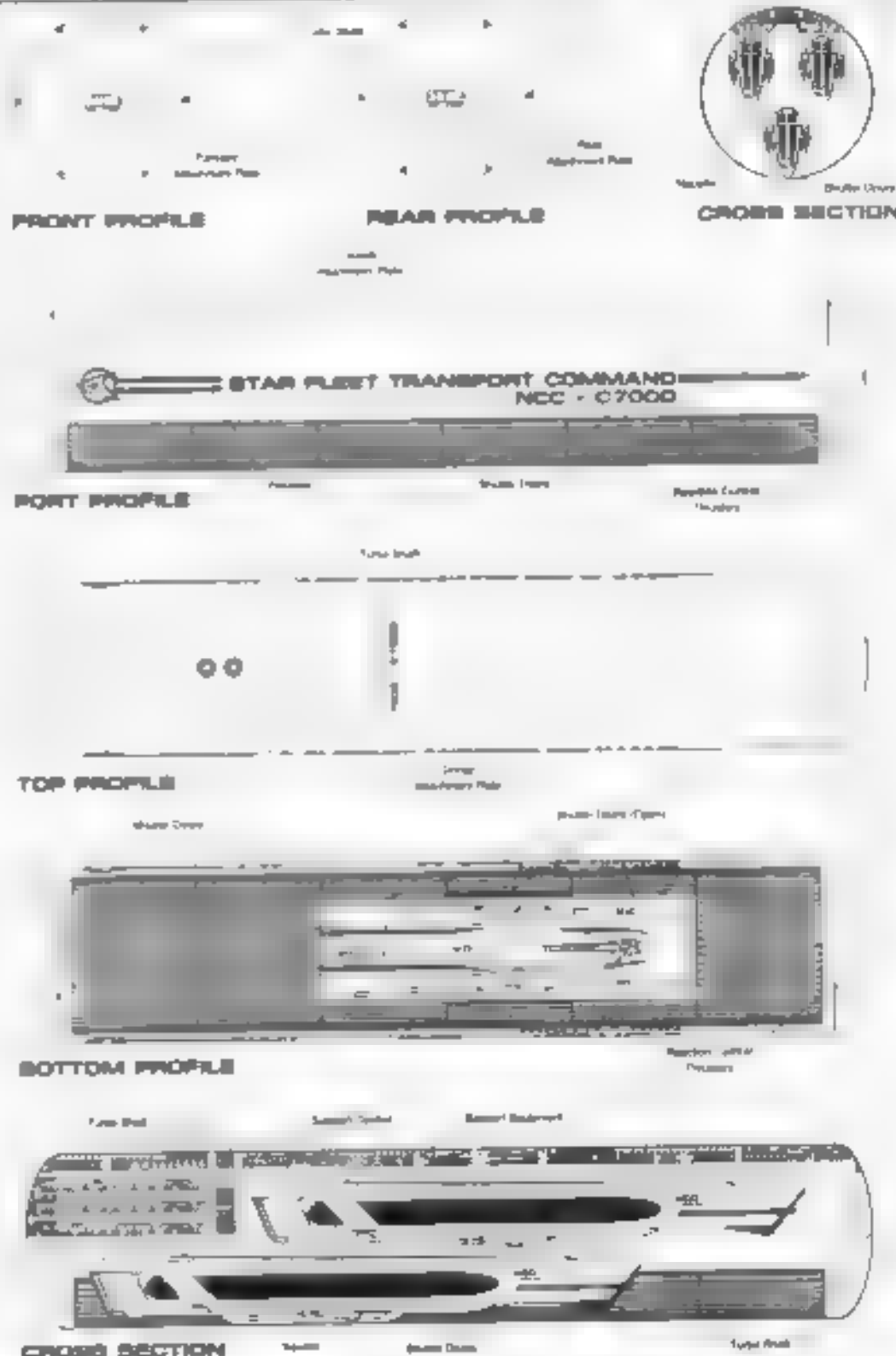


## Statistics

**Classification:** Transport  
**Category:** Engine Repair Container  
**Type:** 100-7  
**Model:** MK-VII  
**Manufacturer:**  
**Overall Dimensions (Standard)**  
 Length: 31.2m  
 Width: 46.0m  
 Height: 48.0m  
**Displacement (Metric Tonn)**  
 Standard: 101,423MT  
 Full Load: 342,427MT  
**Duration (Years)**  
 Standard: 5 Years  
 Maximum: 20 Years  
**Std. Container Complement:** +00  
 Officers: 1  
 Crew (Design Code): 60  
 Passengers: 10  
 Emergency ejection: +00  
**Medical Facilities:**  
 Decks: 0  
 Rooms: 4  
 Operating Rooms: 2  
 Beds: 1  
**Transportation Total:** 4  
 1 Person: 0  
 2 Person: 0  
 4 Person: 0  
 12 Person: 0  
 24 Person: 0  
 Small Cargo: 0  
 Medium Cargo: 4  
 Large Cargo: 0  
 Super Cargo: 0  
 Mega Cargo: 0  
**Trajectory Budget:** 0  
 Tor Capacity: 3 (Standard)  
 Max Range: 0 (100%)  
**Cargo Specifications:**  
 Standard: Large Under 100  
 Cargo Capacity: 790,146.8 m<sup>3</sup>  
 Deck Height: 4.0m  
**Shuttlecraft Specifications:**  
 Shuttlecraft Bays Total:  
 Small Bay: 0  
 Medium Bay: 0  
 Large Bay: 0  
 Super Bay: 0  
**Shuttlecraft Standard:** 27  
 Work Deck: 30  
 Travel Pods: 5  
 Light Shuttle: 0  
 Aquatic Shuttle: 0  
 Shuttle Standard: 3  
 Heavy Shuttle: 0  
 Fighter:  
 Heavy Fighter: 0  
 Lifeboats: 5  
 Turbolift (60 persons): 4  
 Lifeslot (10 persons): 0  
 Lifeslot (30 persons): 4  
 Lifeslot (50 persons): 0  
**Decking Rings:** 2  
**Sensor Upper Values:**  
 Planetary Survey: 0.020  
 Short Range: 0.020  
 Long Range: 0.120  
 Navigation: 0.120  
 Special: 0.20  
**Computers:**  
 Type: Janssen Electronic 1g  
**Shield Rating:**  
 Trooped Power: 27428  
 Trooped Rate: 27428  
**Shield Dimensions (Metric)**  
 Length: 92.01m  
 Width: 57.0m  
 Height: 57.0m

## General Information

The Engine Repair Container is used for the transportation and installation of warp nacelles. The container can carry up to three nacelles with families and shops for repair work located on the bottom of the container are 2 large shutter doors that allow the engine from a distressed ship to be pulled inside without disassembly for easier repair work. For additional details refer to datasheet MVL 2.



METRE  
 0 20 40 60  
 SCALE 1:100



# LARGE PRODUCT CONTAINER

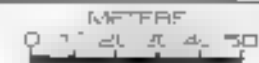
## General Information

The Large Product Container is used for the transportation of large items that can not be moved by a tractor beam. This container is equipped with a large derrick located at the rear to allow items to be placed inside.

For additional detail refer to Datasheet MVC 2

## Statistics

**Classification:** Container  
**Category:** Large Product Container  
**Type:** LDC  
**Model:** MPC 110  
**Distributions:**  
 Overall Dimensions (Meters)  
 Length: 1.05m  
 Width: 4.00m  
 Height: 4.00m  
 Deployment (Metric Tons)  
 Standard: 30, 20m  
 Full Load: 15, 50, 10m  
 Duration (Years)  
 Standard: Years  
 Maximum: 20 Years  
 Bod - Container Components: 0  
 COT: 14  
 Crew (Storage Grade): 0  
 Passengers  
 Emergency condition: 0  
**Medical Facilities:**  
 Bedside: 0  
 Nurses  
 Operating Rooms: 0  
 Beds: 0  
**Transportation (Tonnage):** 7  
 1 Person  
 2 Person U  
 4 Person  
 3 Person U  
 12 Person U  
 Small Cargo U  
 Medium Cargo  
 Large Cargo  
 Super Cargo U  
 Mega Cargo U  
**Tractor Capacity:**  
 Top Capacity: 1000m  
 Max Tow Capacity: 1000m  
**Cargo Specifications:**  
 Standard Cargo Units: 4.0  
 Cargo Capacity: 1.0m<sup>3</sup>  
 Deck Height: 4.0m  
**Shielding Specifications:**  
 Shielding Type Total: 0  
 Small Bay U  
 Medium Bay U  
 Large Bay  
 Super Bay U  
 Shielding Standard: 0  
 Work Area: 0  
 Turret Pods: 0  
 Light Shield: 0  
 Aquatic Shield: 0  
 Heavy Shield: 0  
 Heavy Shield U  
 Lighter  
 Heavy Lighter: 0  
**Lifeboats:**  
 Turbidity (7 person)  
 Lifeboat: 0 person: 0  
 Lifeboat: 30 person: 0  
 Lifeboat: 30 person: 0  
**Decking Rings:**  
 Defense Input Values  
 Fleetary Survey: 0.00  
 Short Range: 0.01  
 Long Range: 0.0  
 Navigation: 0.00  
 Special: 0.00  
**Compass:**  
 Type: Tension Duplex: 0  
**Shield Rating:**  
 Shield Power: 0.00  
 Shield Rate: 0.01  
**Shield Dimensions (Meters):**  
 Length: 4.0m  
 Width: 5.0m  
 Height: 1.0m

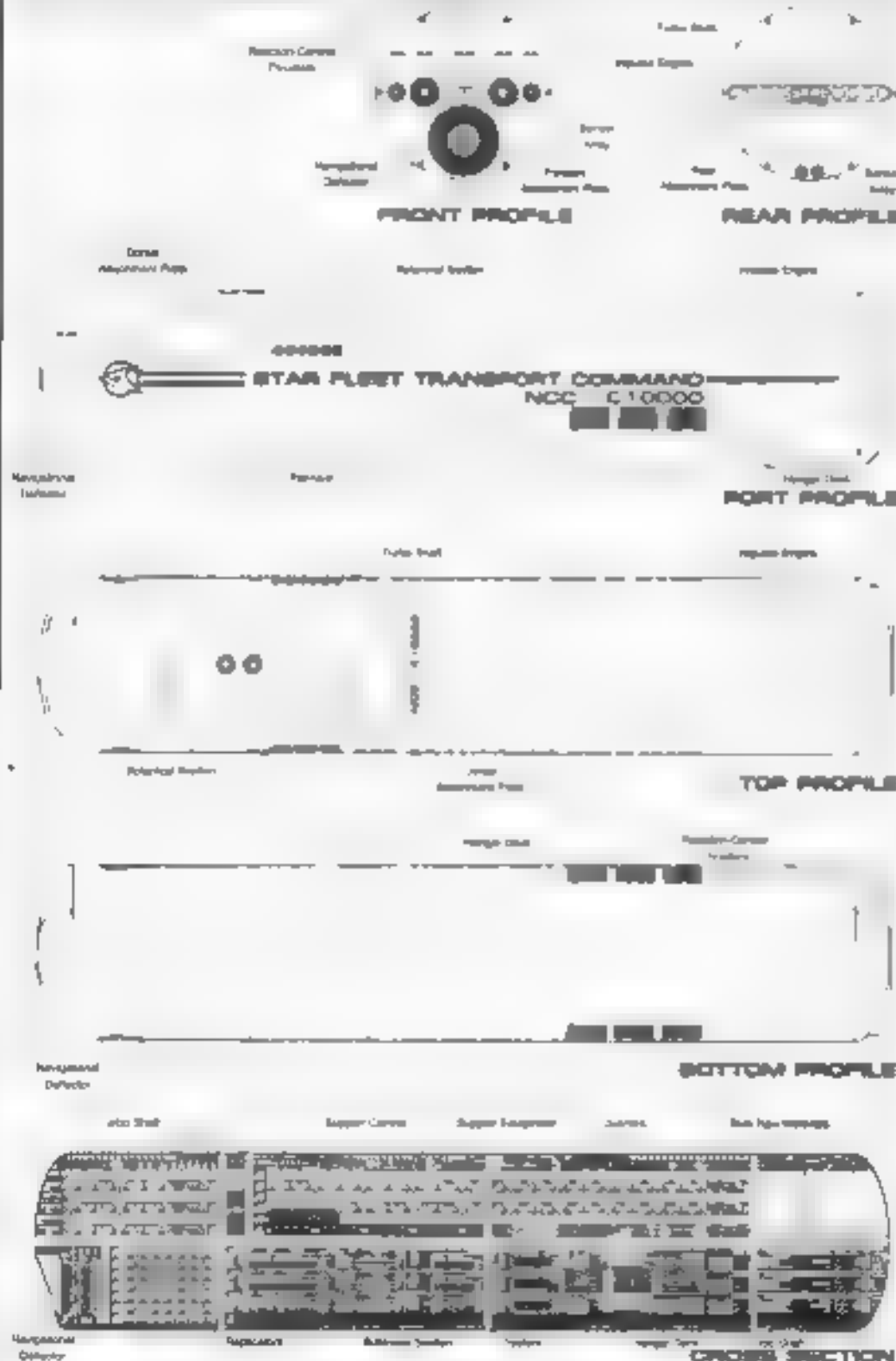




## FACTORY CONTAINER

## General Information

The Factory Container is designed to be transported to various locations so that materials can be manufactured on the spot. The container is equipped with extensive replicators and shops for processing and manufacturing. The container is also equipped with a six bay hangar deck used for transportation of materials.  
For additional detail refer to Datasheet MYC 2



## Statistics

**Childbirth Unit: Corbin**  
**Category:** Factory Converter  
**Type:** C-607  
**Model:** 140-2  
**Dimensions:**  
**Overall Dimensions (Outside)**  
 Length: 236.0cm  
 Width: 48.0cm  
 Height: 43.0cm  
**Replacement (Outside) Total**  
 Standard: 240.0 Unit  
 Full Load: 260.0 Unit  
**Standard (Inside)**  
 Standard: 15 feet  
 Maximum: 20.0 feet  
**Top (Outside) Specifications:** 330  
 Officers: 10  
 Crew (Including Gravel): 300  
 Passengers: 30  
 Emergency condition: 300  
**Medical Facilities:**  
 Doctors: 5  
 Nurses: 12  
 Operating Rooms: 4  
 Beds: 5  
**Transportation Total: 10**  
 1 Person: 0  
 2 Person: 0  
 3 Person: 0  
 4 Person: 4  
 12 Person: 0  
 15 Person:  
 Small Cargo: 0  
 Medium Cargo: 4  
 Large Cargo:  
 Super Cargo: 0  
 Mega Cargo: 0  
**Traffic Details:** 0  
 Top Capacity: N/A  
 Max Range: N/A  
**Cargo Specifications:**  
 Standard Cargo Units: 500  
 Cargo Capacity: 25,000 mt  
 Deck Height: 4.0  
**Weatherproof Specifications:**  
**Weatherproof Bay Total:**  
 Small Bay: 0  
 Medium Bay: 0  
 Large Bay: 1  
 Super Bay: 0  
**Weatherproof Standard: 18**  
 Work Room: 0  
 Travel Pods: 5  
 Light Storage: 2  
 Aquatic Shuttle: 0  
 Shuttle Standard: 0  
 Heavy Shuttle: 1  
 Cargo Shuttle: 16  
 Heavy Fighter: 0  
**Lifelines:** 0  
 Lifeline (10 persons): 8  
 Lifeline (18 persons): 0  
 Lifeline (20 persons): 0  
 Lifeline (30 persons): 9  
**Weatherproof Wings: 2**  
**Power Laps: Values**  
 Planetary Survey: 0.000  
 Short Range: 100  
 Long Range: 0.000  
 Navigation: 0.000  
 Special: 0.000  
**Conversion: 2**  
 Type: Inversion Dynamic: 8  
**Shield Rating:**  
 Shield Power: 3.2+50  
 Shield Rate: 9.21E  
**Shield Dimensions (Shield)**  
 Length: 282.0m  
 Width: 57.0m  
 Height: 57.0m

MFTFRS

0 10 20 30 40 50

## SHUTTLECRAFT CONTAINER



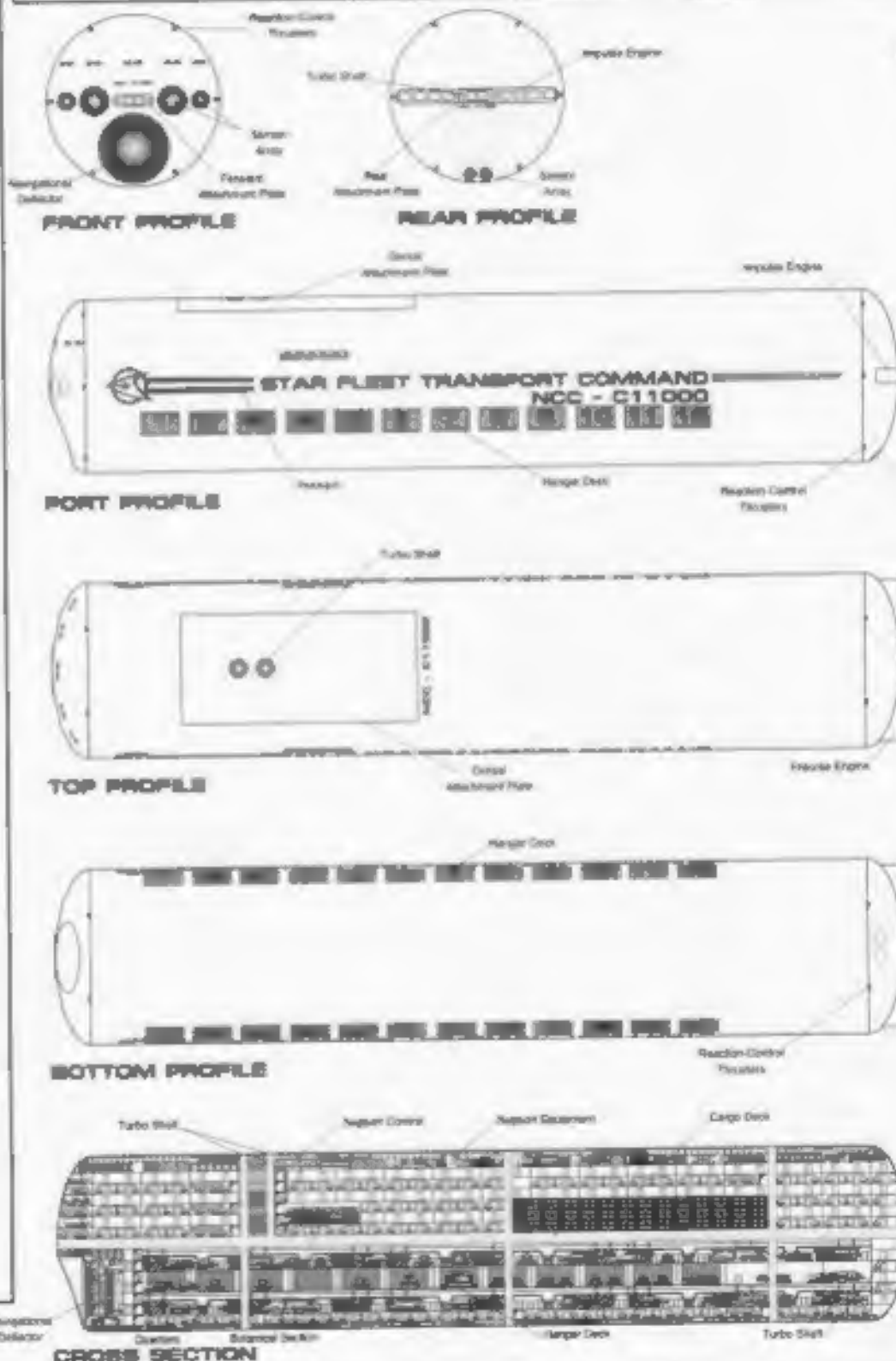
## Statistics

**Classification:** Container  
**Category:** Shuttlecraft Container  
**Type:** Class T  
**Model:** MVC-3  
**Dimensions:**  
**Overall Dimensions (Metric):**  
 Length: 325.00m  
 Width: 48.00m  
 Height: 48.00m  
**Displacement (Metric Tonnage):**  
 Standard: 185,321mt  
 Full Load: 354,719mt  
**Duration (Years):**  
 Standard: 15 Years  
 Maximum: 20 Years  
**Std. Container Complement:** 385  
**Officers:** 35  
**Crew (Assigns Grade):** 350  
**Passengers:** 30  
**Emergency Readiness:** +200  
**Medical Facilities:**  
 Doctors: 5  
 Nurses: 16  
 Operating Rooms: 4  
 Beds: 20  
**Transporters Total:** 10  
 1 Person: 0  
 2 Person: 0  
 4 Person: 4  
 12 Person: 0  
 24 Person: 2  
 Small Cargo: 0  
 Medium Cargo: 4  
 Large Cargo: 0  
 Super Cargo: 0  
 Mega Cargo: 0  
**Tractor Beams:** 0  
 Tow Capacity: N/A  
 Max. Range: N/A  
**Cargo Specifications:**  
 Standard Cargo Units: 100  
 Cargo Capacity: 5,000 mt  
 Deck Height: 2.4 / 7.3m  
**Shuttlecraft Specifications:**  
 Shuttlecraft Bays Total: 2  
 Small Bay: 0  
 Medium Bay: 0  
 Large Bay: 2  
 Super Bay: 0  
**Shuttlecraft Standard:** 27  
 Work Room: 15  
 Travel Pods: 5  
 Light Shuttle: 20  
 Aquatic Shuttle: 5  
 Shuttle Standard: 25  
 Heavy Shuttle: 15  
 Fighter: 6  
 Heavy Fighter: 5  
**Lifboats:** 16  
 TurboLift (8 person): 8  
 Lifboat (10 person): 0  
 Lifboat (20 person): 0  
 Lifboat (30 person): 0  
**Decking Stages:** 2  
**Sensor Input Values:**  
 Planetary Survey: 0.020  
 Short Range: 0.020  
 Long Range: 0.020  
 Navigation: 0.020  
 Special: 0.020  
**Computers:** 1  
 Type: Custom Quantum II  
**Shield Rating:**  
 Bolded Power: 1.24E9  
 Refresh Rate: 9.21E7  
**Shield Dimensions (Metric):**  
 Length: 282.01m  
 Width: 57.6m  
 Height: 57.6m

## General Information

The Shuttlecraft Container is used for the support of a large number of shuttles and fighters. The container is equipped with a twenty four bay hangar deck with two additional main hangar decks. Located above the hangar facilities are the living quarters for the pilots.

For additional detail refer to Datasheet MVC-3



METERS  
 0 10 20 30 40 50  
 SCALE 1:1800



# SURVEY CONTAINER

## General Information

## Statistics

The Survey Container is used for exploration, charting and research. The container is equipped with extensive laboratories and sensors. The container is also equipped with a six bay hangar deck used for specific location surveys.

For additional detail refer to Datasheet MVC-3

**Classification:** Container  
**Category:** Survey Container  
**Type:** Class 7  
**Model:** MVC-KII  
**Dimensions:**

**Overall Dimensions (Meters)**  
Length: 235.05m  
Width: 48.00m  
Height: 49.21m  
**Displacement (Metric Tons)**  
Standard: 234,448mt  
Full Load: 355,891mt  
**Duration (Years)**  
Standard: 15 Years  
Maximum: 30 Years  
**Std. Container Complement:** 300  
**Officers:** 36  
**Crew (Ensign Grade):** 320  
**Passengers:** 30  
**Emergency condition:** +300  
**Medical Facilities:**  
Doctors: 5  
Nurses: 12  
Operating Rooms: 4  
Beds: 15

**Transportation Total:** 10

1 Person: 0  
2 Person: 0  
3 Person: 4  
12 Person: 0  
25 Person: 2  
Small Cargo: 0  
Medium Cargo: 4  
Large Cargo: 0  
Super Cargo: 0  
Mega Cargo: 0

**Troop Capacity:** 0  
**Troop Capacity:** N/A  
**Max. Range:** N/A

**Cargo Specifications:**

Standard Cargo Units: 300  
Cargo Capacity: 15,000 mt  
Deck Height: 2.4 m

**Shuttlecraft Specifications:**

Shuttlecraft Bay Total: 1  
Small Bay: 0  
Medium Bay: 1  
Large Bay: 0  
Super Bay: 0

**Shuttlecraft Standard:** 24

Work Bee: 2  
Travel Pod: 2  
Light Shuttle: 1  
Aquatic Shuttle: 2  
Shuttle Standard: 4  
Heavy Shuttle: 2  
Survey Shuttle: 10  
Heavy Fighter: 0

**Lifelines:** 22

Turbolift (8 person): 12  
Lifeline (10 person): 0  
Lifeline (30 person): 0  
Lifeline (80 person): 10

**Docking Stage:** 2

**Scanner Input Values:**

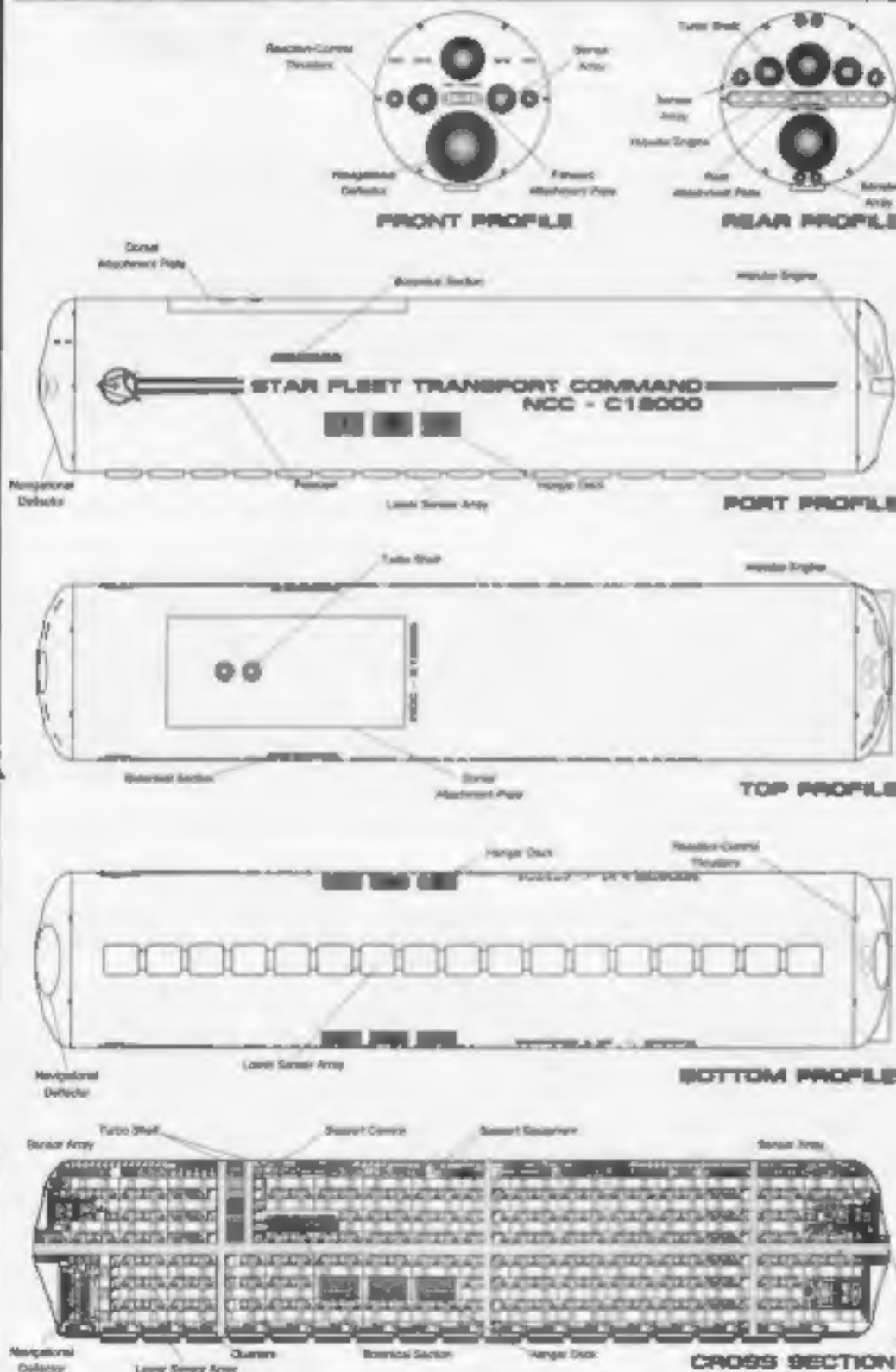
Planetary Survey: 1,500  
Short Range: 1,754  
Long Range: 1,344  
Navigation: 0.801  
Special: 1.822

**Computers:** 1

Type: Daystrom Duotronic 6a

**Shield Rating:**

Shield Power: 3.24E8  
Refresh Rate: 9.21E7  
Shield Dimensions (Meters)  
Length: 282.01m  
Width: 57.6m  
Height: 57.6m



METERS  
0 10 20 30 40 50  
SCALE 1:1800





## Closing Information

### Closing

First off I would like to express my thanks to you for purchasing this book. I have tried to give the most information that I can for each ship without reducing the number of ships described. This in turn has lead to small print. I hope that this is not an inconvenience to anyone and if it is, I would like to express my deepest apology.

### Stardate Errata

In place of the stardates, I have used the actual YEAR.MONTH due to the fact that I can not get an accurate stardate, as every group has a stardate system that while close do not all match (Some systems differ by as much as 50 years). To achieve the stardate you need just use the date given and apply it to the stardate system you are acquainted with.

### Warp speed Errata

I have had a number of people inquire as to why I have used the new warp curve system on older ships. The thing to understand here is that this curve also fits the older ships and is simply a conversion; when I get around to drawing the new ships the statistics will match and a ship to ship comparison can be made. A conversion chart has been included at the beginning of the ship section so that you can convert back to the old warp numbers.

### Acknowledgments

I would like to acknowledge the many people, places, movies, magazines and reference materials that I have use to get the most accurate information for my work.

First off I would like to thank my wife Diane for encouraging me to reprint this book and her proof reading that helped catch a number of mistakes that I had missed (forest for the trees).

I would also like to mention Franz Joseph for his original work which a number of ships in this book are based on, his work has influenced every starship design that has ever been created.

I would like to thank the following magazines: Starlog, Future, Fantastic Films, Challenge, Stardate, Cinefix, Science Fiction Modeler, Fine Scale Modeler, Galactic Engineers Concordance and Digest Group for all the photos and excellent articles and insight that these magazines have given me in my research.

I would like to thank Chris Hatfield for his friendship and extensive help in re-writing my text in an effort to provide a better product.

I would like to thank Alex Rosenzweig for his help in the NCC numbering for the new ships in this book and by sending me a copy of his ship database which saved me a large amount of time and helping create the Ship Names for the New ships in this expanded version of Volume 1.

I would also like to make note of Roy Firestone for his publication Galactic Engineers Concordance which was a non profit Techline that he published which is made up of contributions from his readers. Various articles that have been included have helped in my train of thought for creating my starship designs. Thanks to Roy and the contributors of GEC.

I would like to thank Thomas Sasser for providing me with some detailed information for the 1701-A.

I would like to thank Magne Kristiansen, Richard Fisher, Don Shanks, Paul Hollingsworth, Scott Bell, and Shane Johnson for their suggestions and proofing that helped me catch errors that might have slipped through if they had not spotted them.

I would also like to thank all the people who were involved in the original stories and artwork creations. By looking at their models, photos, sketches and story lines I was able to draw additional craft that I hope still retained much of the flavor of the original story. I am sorry that I am not able to list their names but in many instances I have no idea who these individuals are.

Special thanks to my wife Diane for pushing me to redraw and reprint this book (if it had not been for her encouragement I would not have done it) and for her putting up with my crazy work hours to finish it, thanks honey.

My daughters Jaculynn and Jillian (where the name Jackill came from for the daily reminders of the sweet things in life with their smiles and hugs).

And special thanks to my son's Derek, Joshua and Michael for their support and understanding through this project.

I would also like to give special mention Anthony "Tiny" Abbe for his help on my first book, who he so politely pointed out that I forgot to mention him, sorry Tiny I'm just not worthy.

And finally I would like to thank Eugenio Angerita III for his contribution. Although he does not know it, a page he sent me caused me to include the tractor beam calculator for each ship. I modified the standard tractor beam calculator for the various warp speeds. And also thanks for his starship idea contributions that appear in Vol. 2.

### Ship Classes named after individuals

\* U.S.S. Lynch - Light Destroyer (Chris Lynch) \* U.S.S. Pense - Long Range Destroyer (Brad Pense) \* U.S.S. Abbe - PT Destroyer (Anthony "Tiny" Abbe) \* U.S.S. Hatfield - Command Cruiser (Chris Hatfield) \* U.S.S. Iverson - Cruiser (Steve Iverson) \* U.S.S. Shanks - Light Cruiser (Don Shanks) \* U.S.S. Hatfield - Command Cruiser (Chris Hatfield) \* U.S.S. Murphy - Tactical Frigate (Aaron Murphy) \* U.S.S. Hensley - Heavy Transport/Tug (Charles Hensley) \* U.S.S. Fisher - Light Transport/Tug (Richard Fisher) \* U.S.S. Moncrief - Transport/Tug (Jay Moncrief). The ships were named after people that I have know and I felt worthy of having a ship classes named after them.

### What was required to produce this book

I want to include a little information on what it took to produce this book. My first book was Jackill's Guide to Light Attack Craft (Volume 1) which was produced using MacDraw II (The best thing out at the time).

For my other books I have switched to Canvas (Available for both Mac and Windows). This version of Ships of the Fleet Vol.1 has been completely redrawn from the ground up. Over the years with the help of friends and the Internet I have been able to collect a very large database of research material that has allowed me to make much more accurate drawings. The first printings of this book took up around 34 Meg and has increased to 296.6 Meg in this printing due to increased detail and additional material included (my first book, Light Attack Craft Vol.1, was around 6 Meg, and my third, Ships of the Fleet Vol.2, was around 46.5 Meg, with power comes detail. This book has also been printed using digital files that were sent to the printer to increase the resolution of the drawings I hope you enjoy.

### Information About Back Page

I have provided the contact information to a number of groups that my readers might also like to get hold of. All of these groups are provided space free of charge as my way of helping Trek Fandom expand and hoping that in the long run more movies and materials will be produced.

### Concern (My own personal soap box)

As I watch the world around me I see so many injustices that happen to children. Please keep an extra eye on the children around you, you just might be able to protect the innocence and maybe the life of a child.

### Warnings & Disclaimers

**WARNING:** This book attracts every other piece of matter in the universe. Including books from other publishers, with a force proportional to the product of the masses and inversely proportional to the square of the distance between them.

**ADVISORY:** There is an extremely small but nonzero chance that, through a process known as "tunneling," this book may spontaneously disappear from its present location and reappear at any random place in the universe. The publisher will not be responsible for any damages or inconvenience that may result from this missing book.

**NOTE:** The most fundamental particles in the book are held together by a "gluing" force about which little is currently known and whose adhesive power can therefore not be permanently guaranteed.

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**NOTE:** Any reference to any lifeform living, dead or totally non-existent is purely coincidental and most likely not intentional.

Jackill's  
**STARFLEET REFERENCE MANUAL**

Ships of the Fleet  
Volume I



**1**  
**A-ERA**